



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

TRANE US Inc.
1515 Mercer Road
Lexington, KY 40511

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Trane Custom Air Handler Unit

APPROVAL DOCUMENT: Drawing No. S6538-0027, titled "Trane Custom Air Handler Unit", sheets 1 through 25 of 25, prepared by Wolters Engineering, last revision #1 dated August 29, 2011, signed and sealed by Scott Wolters, P.E., on August 29, 2011, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #07-0807.13 and consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
09/15/2011

NOA No. 11-0301.09
Expiration Date: 01/10/2013
Approval Date: 09/15/2011
Page 1

TRANE US Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0807.13

A. DRAWINGS

1. *Drawing No. S6538-0027, titled " Trane Custom Air Handling Unit ", sheets 1 through 25 of 25, prepared by Wolters Engineering, dated November 30, 2007, signed and sealed by Scott Wolters, P.E., on November 30, 2007.*

B. TESTS

1. *Test reports on 1)Uniform Static Air Pressure Test, Loading per SFBC PA 202-94, 2) Large Missile Impact Test per SFBC, PA 201-94, 3) Cyclic Wind Pressure Loading per SFBC, PA 203-94, along with marked-up drawings and installation diagram of Trane Custom Air Handling, prepared by Hurricane Test Laboratory, LLC, Test Report No. 0254-0522-06, dated 07/23/07, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Calculation of Trane Custom Air Handling Unit Class B Construction, prepared by Scott Wolters, P.E., dated 07/24/07, signed and sealed by Scott Wolters, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of conformance, dated 07/31/07, signed & sealed by Scott Wolters, P.E.*

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. S6538-0027, titled " Trane Custom Air Handler Unit ", sheets 1 through 25 of 25, prepared by Wolters Engineering, last revision #1 dated August 29, 2011, signed and sealed by Scott Wolters, P.E., on August 29, 2011.*

B. TESTS

1. *None.*

C. CALCULATIONS


1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building and Neighborhood Compliance Department.*

E. MATERIAL CERTIFICATIONS

1. *None.*


Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 11-0301.09
Expiration Date: 01/10/2013
Approval Date: 09/15/2011

TRANE CUSTOM AIR HANDLER UNIT - "CLASS B"

2" PANEL SYSTEM CONSISTING OF STEEL OUTER PANELS FILLED WITH RIGID FOAM INSULATION.

GENERAL NOTES:

- THIS SYSTEM IS DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE, INCLUDING THE PROVISIONS FOR HVHZ.
- DESIGN LOADS MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE PROJECT PRESSURE CANNOT EXCEED THE DESIGN PRESSURE LISTED.
- TABLE 1 SHOWS THE MAXIMUM ALLOWABLE PANEL SIZES AND THEIR CORRESPONDING ALLOWABLE PRESSURES FOR BOTH WALLS AND ROOFS.
- ATTACHMENT TO THE ROOF AND THE ROOF CURB TO PREVENT SLIDING AND OVERTURNING OF THE AIR HANDLING UNIT IS NOT PART OF THE SCOPE OF THIS PRODUCT APPROVAL.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, SITE SPECIFIC DOCUMENTS PREPARED BY A LICENSED ENGINEER WILL BE REQUIRED.
- UNIT DIMENSIONS SHOWN ARE MAXIMUM DIMENSIONS AND NOT TO BE EXCEEDED. INDIVIDUAL UNITS MAY BE INSTALLED SIDE TO SIDE TO UNLIMITED LENGTHS.
- UNIT CONSTRUCTION:

FLOOR/BASE	PAGES 10-12 AND DETAIL ON PAGE 7.
PANELS	PAGES 8-9.
WALL/ROOF SUPPORT-	PAGES 13-14
WALLS	PAGES 2-7
ROOF	PAGES 15-18
DOORS	PAGES 9 AND 21.

MATERIAL NOTES:

- ROOF AND WALL PANEL SKIN MATERIAL - 0.027" STEEL (MIN.)
- BASE - BASE STRUCTURE MATERIAL - 0.122" STEEL (MIN.)
BASE HEIGHT (DIM "A") = 10" (MAX.)
- FLOOR - INNER FLOOR MATERIAL - 0.054" STEEL (MIN.)
- INTERNAL STRUCTURE - NESTED U CHANNELS ARE 0.068" STEEL
HAT CHANNELS ARE 0.068" STEEL
CORNER "C" CHANNELS ARE 0.054" STEEL
- DOOR - 60" x 24" OR 48" x 30" DOOR WITH ALLEGIS HANDLES 12" O.C.
STAINLESS STEEL CONT. PIANO HINGE IS FASTENED TO DOOR AND DOOR FRAME WITH POP RIVETS 6" O.C.
- FASTENERS - ALL FASTENERS ARE STAINLESS STEEL OR ZINC PLATED CARBON STEEL.

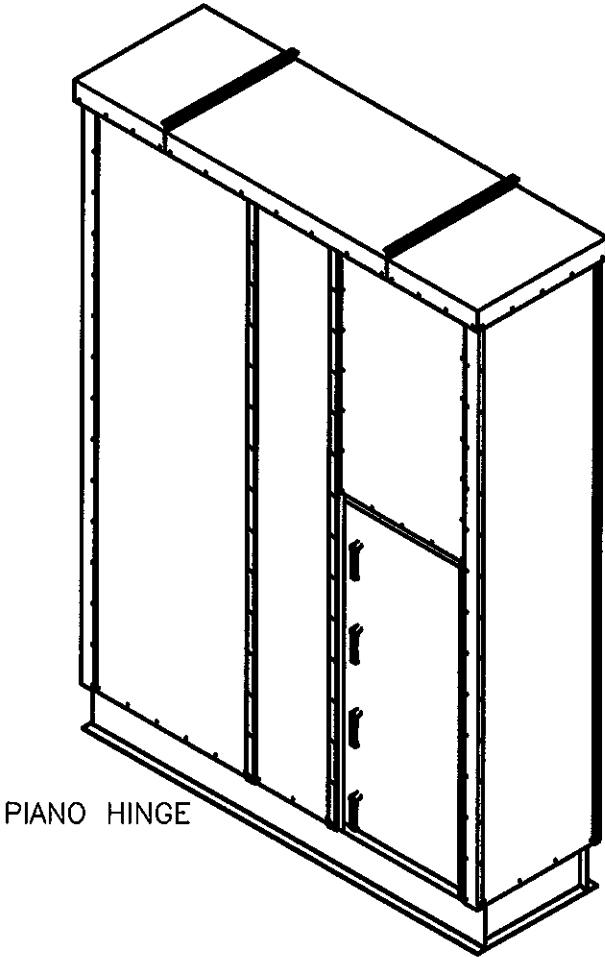
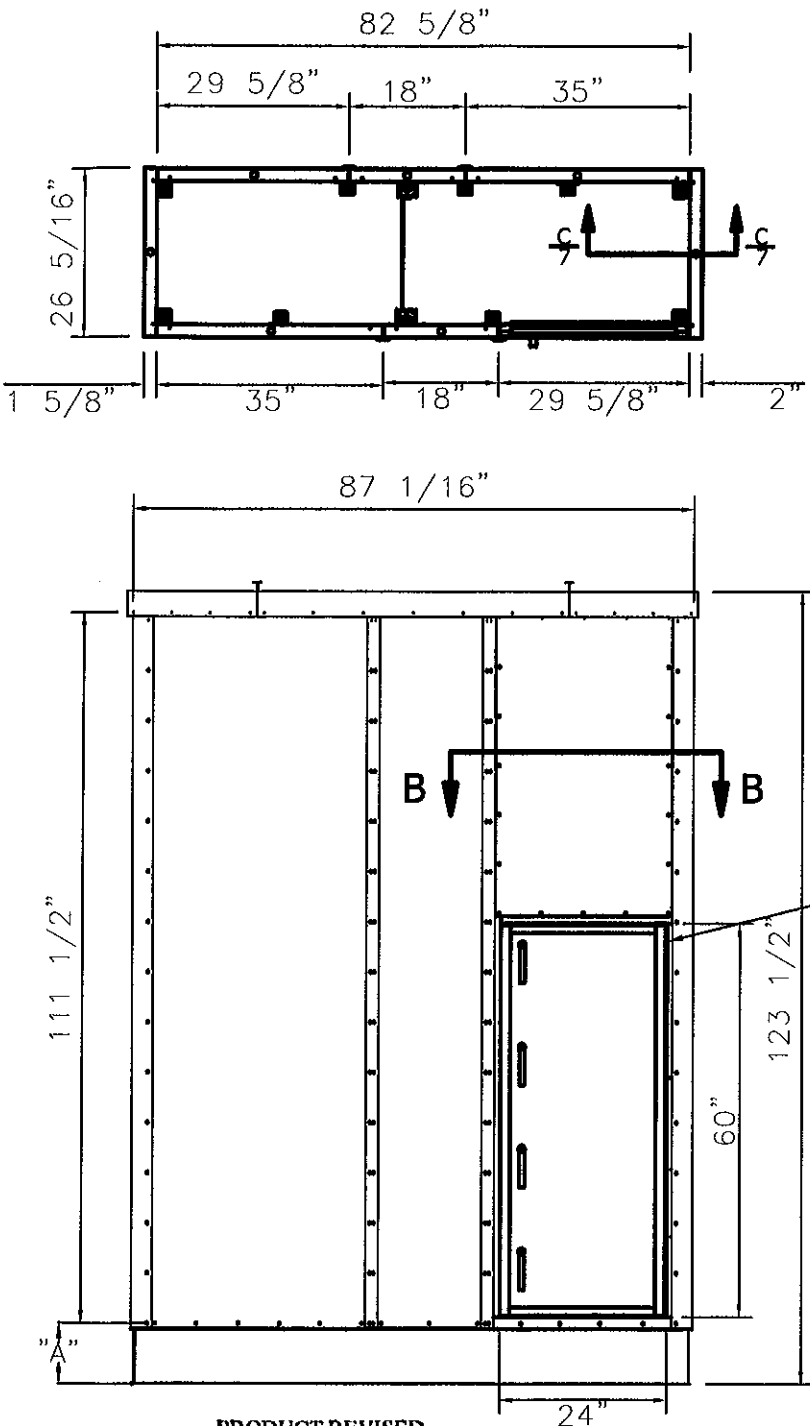



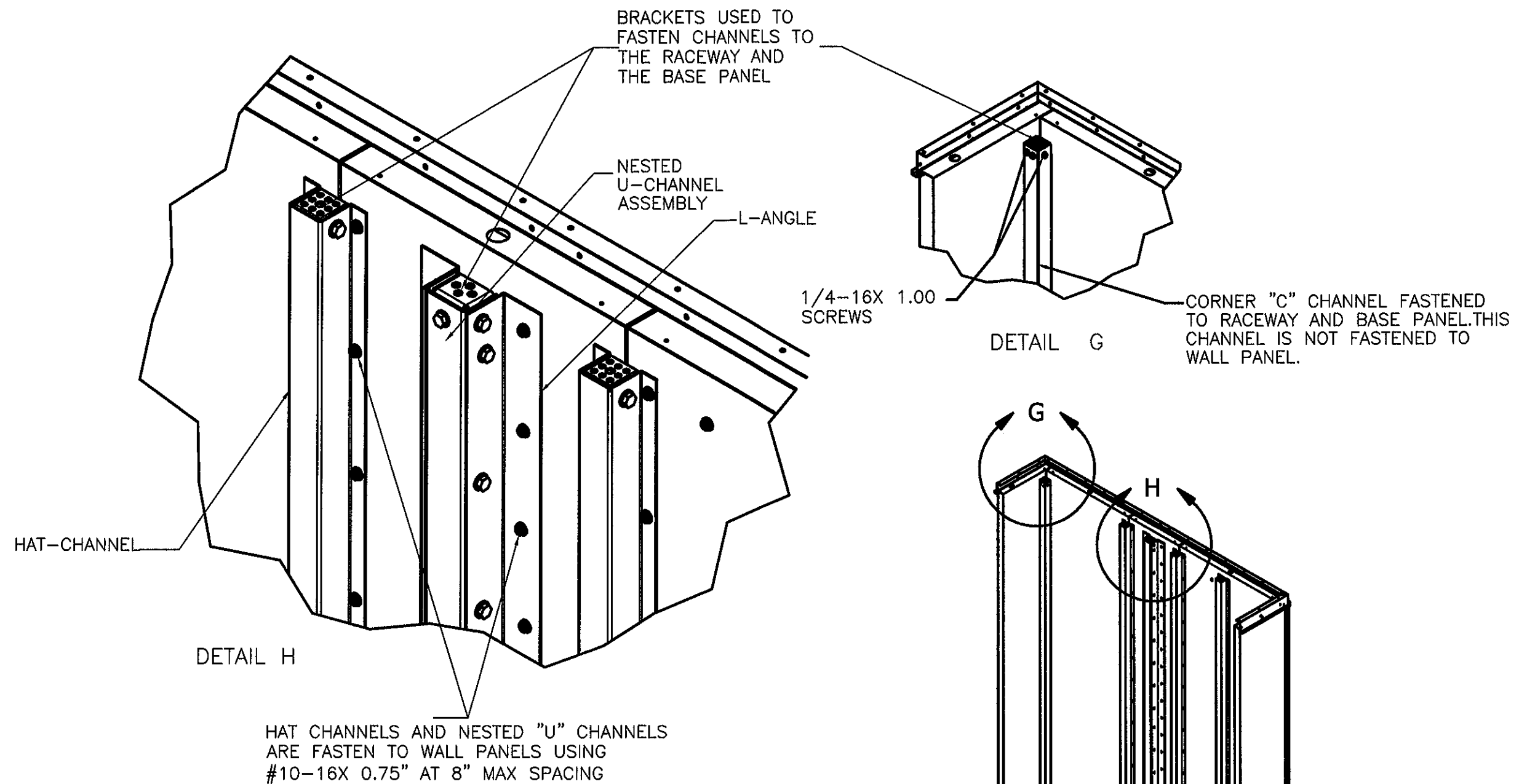
TABLE 1:

PANEL SIZE		ALLOWABLE DESIGN PRESSURE (PSF)	
WIDTH (in)	HEIGHT (in)	WALLS (+/-)	ROOF (+/-)
35	111.5	100	75
36	108	100	75
40	96	100	75
44	90	100	75
46	84	100	75
56	74	100	75
60	69	100	75
64	64	100	75

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 11-0301.09
 Expiration Date 01/10/2013
 By *Heather A. Miller*
 Miami Dade Product Control

ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (CD# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019		PROJECT: HURRICANETEST DESCRIPTION: TESTUNITLAYOUT SALES OFFICE:		JOB NUMBER: PROPOSAL#: DWG #: S6538-0027-001 UNIT TAG: REVISION: 1 8/29/11		 TRANE U.S.Inc Trane Custom Air Handler Unit-Class B Construction	
AUG 29 2011							

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES




NOTES:

1. HAT CHANNELS ARE PLACED AT EVERY PANEL SEAM FOR PANELS 74" UP TO 111.5" TALL.
2. NO HAT CHANNELS FOR PANELS SHORTER THAN 74".
3. NESTED "U" CHANNELS ARE PLACED AT 44" CTR TO CTR DISTANCE.(MAX)
4. RACEWAY IS HIDDEN IN THESE VIEWS FOR CLARIFICATION.

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By *Heather J. Miller*
Miami Dade Product Control

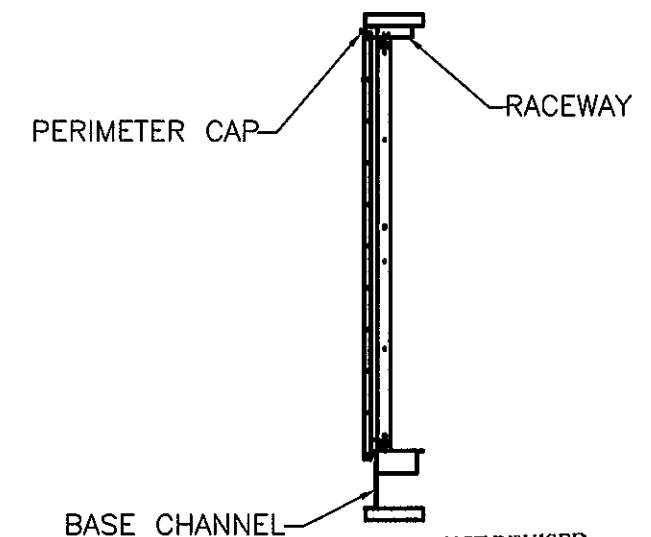
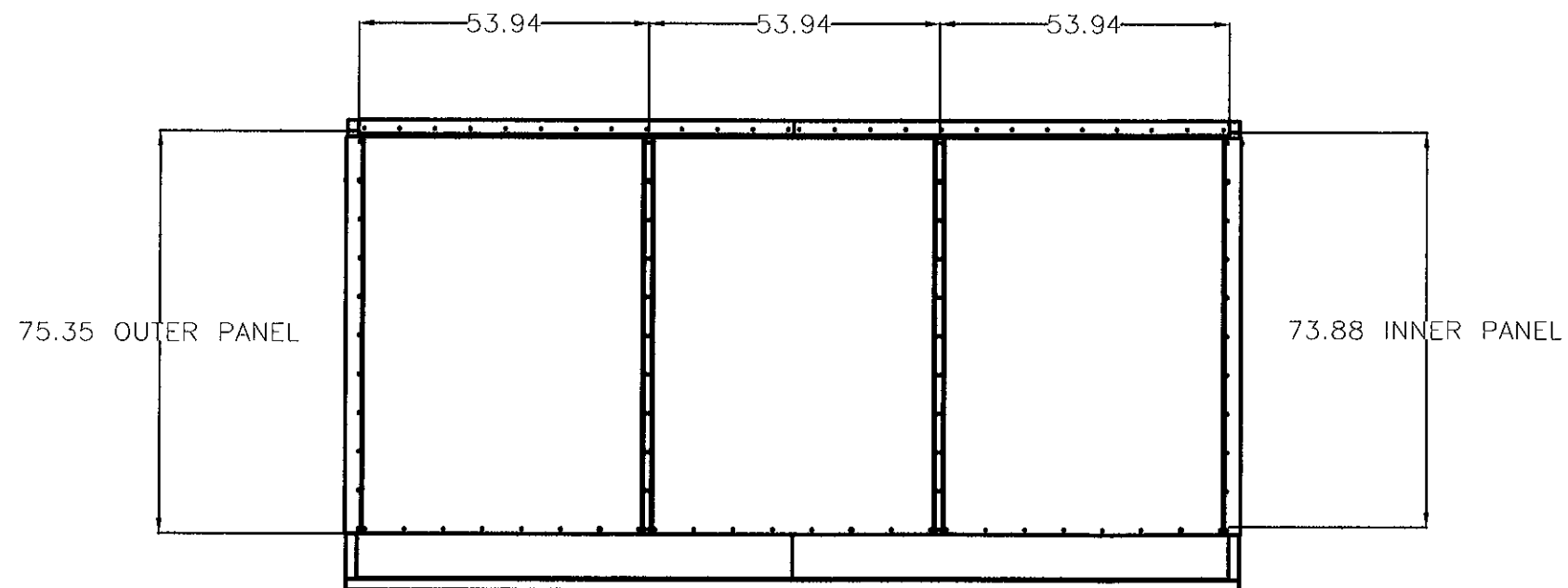
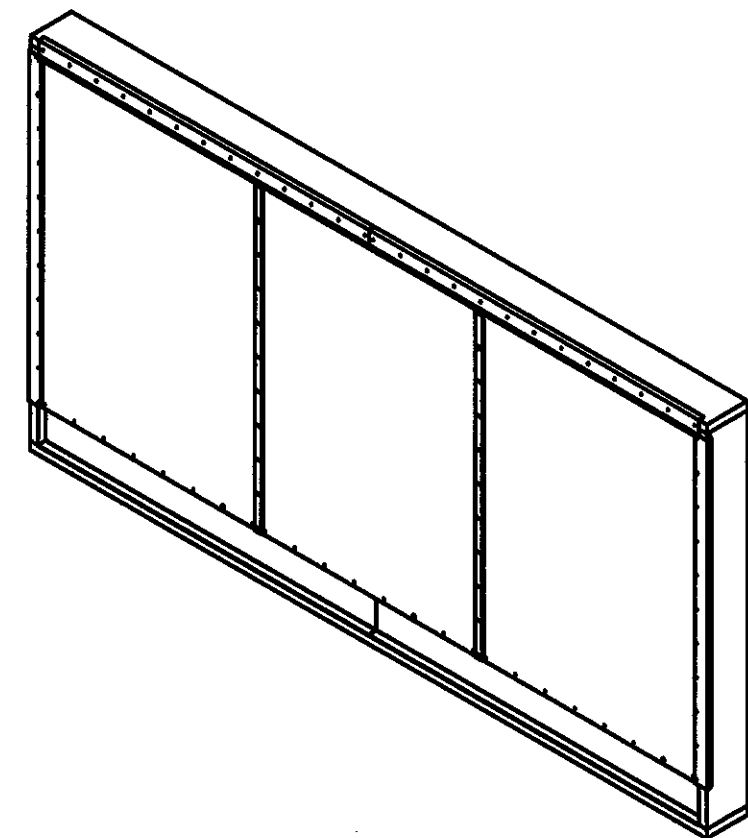
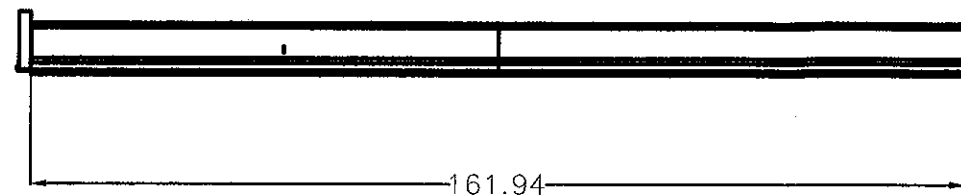
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

<p>ENGINEER: SCOTT WOLTERS FL PE# 62354</p> <p>WOLTERS ENGINEERING (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: TESTUNITLAYOUT</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-002</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	 <p>TRANE U.S.Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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54" WIDTH BY 74" HEIGHT PANEL ASSEMBLY

NOTE:
2" X 10' BOARDS ALL AROUND.


2" X 10' WOOD
CORNER BUCK



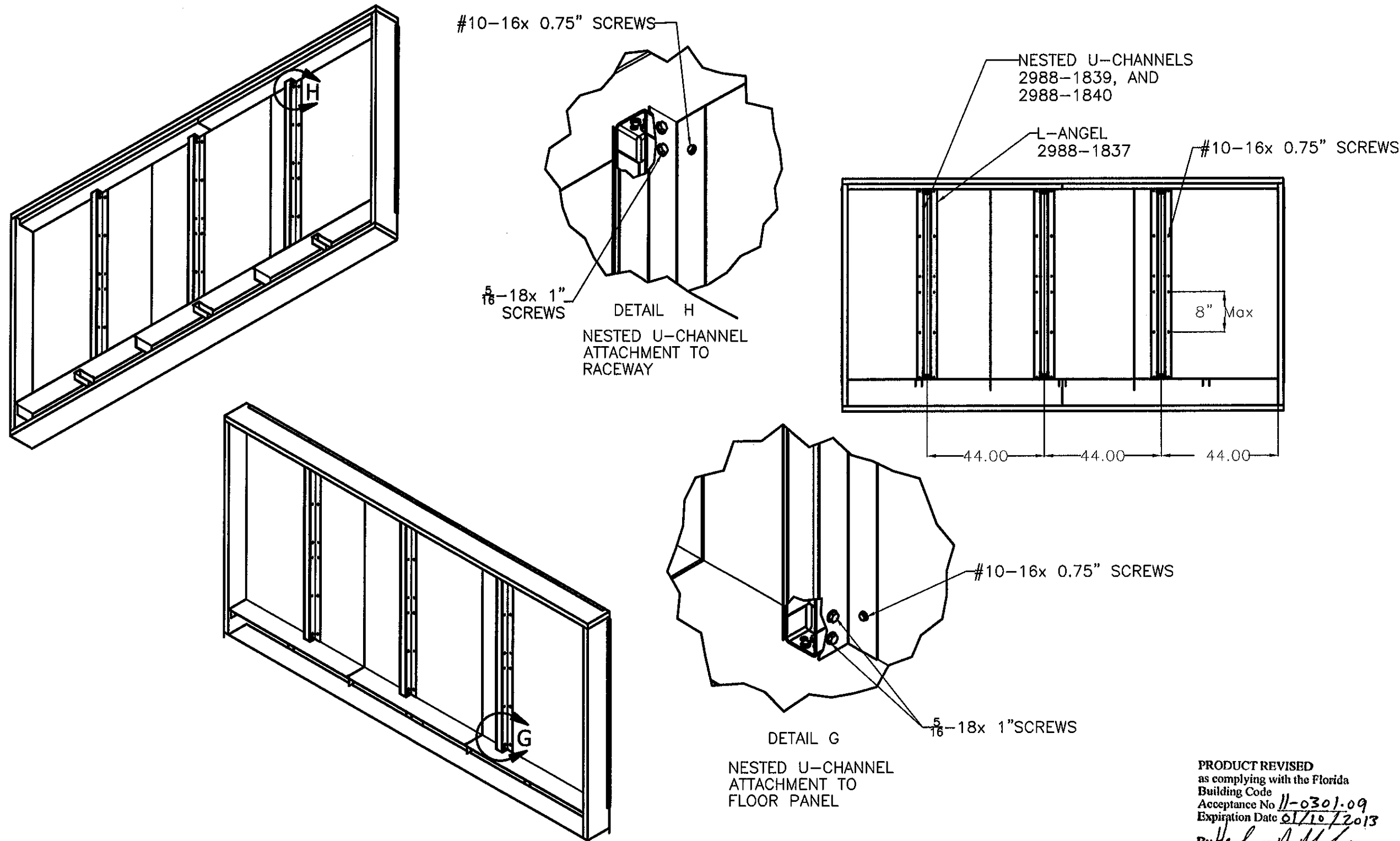
NOTES:
FASTENING IS SAME AS UNIT CONSTRUCTION.

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Expiration Date 01/10/2013
By *Heather A. McLean*
Miami Dade Product Control

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<p>ENGINEER: SCOTT WOLTERS FL PE# 62354</p> <p>WOLTERS ENGINEERING (CDA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: TESTWALL LAYOUT</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-003</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	 <p>TRANE U.S. Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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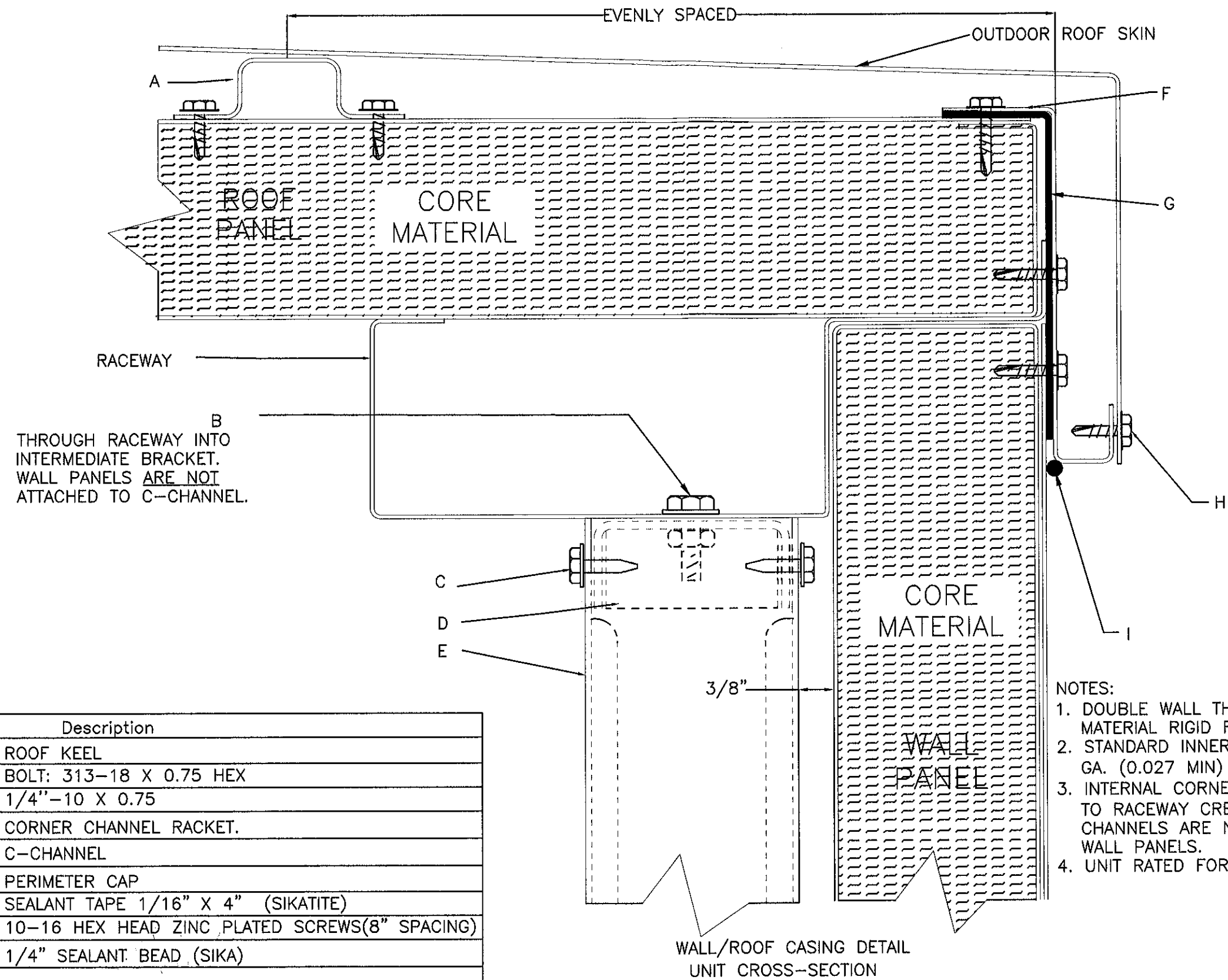
54" WIDTH AND 74" HEIGHT PANEL ASSEMBLY



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Expiration Date 01/10/2013
By *Heather A. Miller*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

<p>ENGINEER:</p> <p>SCOTT WOLTERS FL PE# 62354</p> <p>WOLTERS ENGINEERING (CDA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: TESTWALLLAYOUT</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-004</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	<p> TRANE U.S.Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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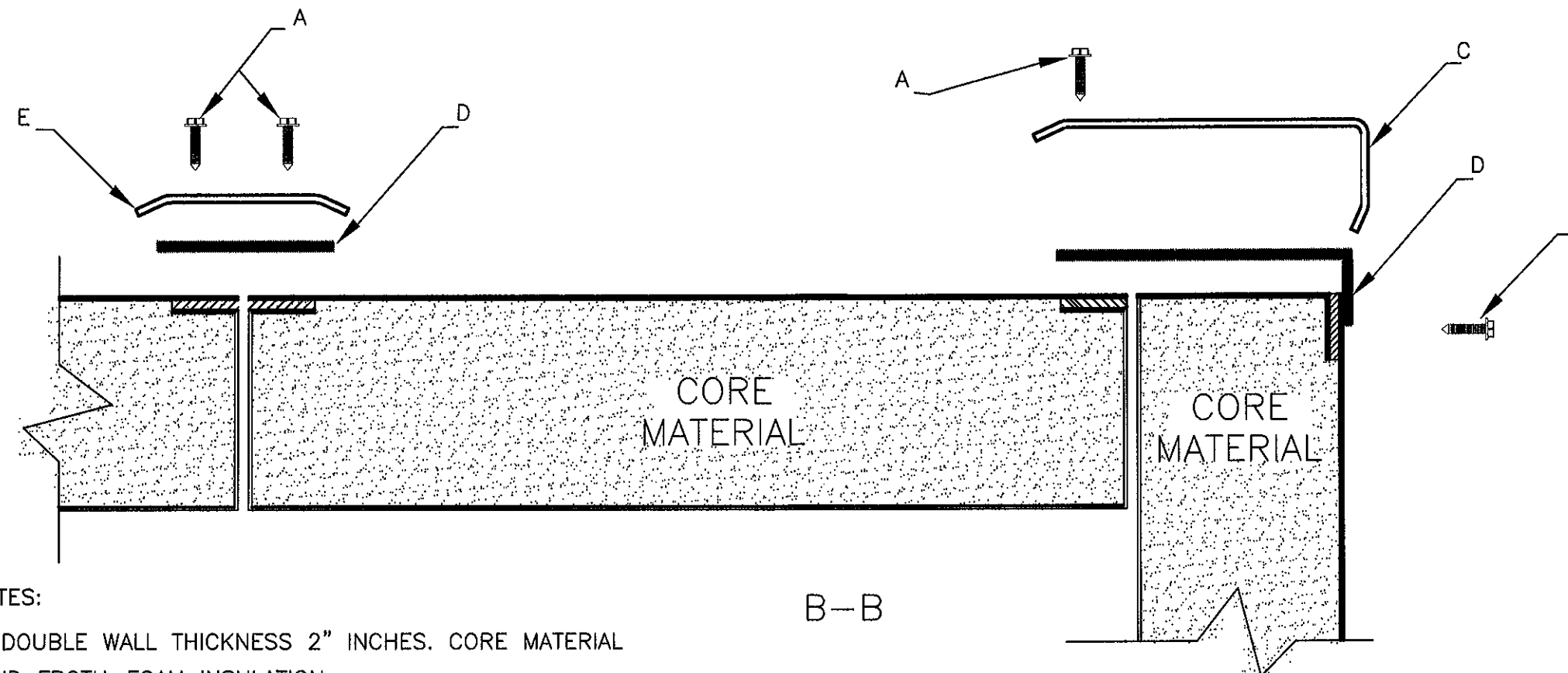
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 as complying with the Florida
 Building Code
 Acceptance No 11-0301.09
 Expiration Date 01/15/2013
 By *Heung A. Mo*
 Miami Dade Product Control

- NOTES:
1. DOUBLE WALL THICKNESS 2" INCHES. CORE MATERIAL RIGID FROTH-FOAM INSULATION.
 2. STANDARD INNER CASING PANELS SOLID 22 GA. (0.027 MIN) STEEL.
 3. INTERNAL CORNER "C" CHANNEL ATTACHED TO RACEWAY CREATING STRUCTURE. "C" CHANNELS ARE NOT ATTACHED TO ROOF OR WALL PANELS.
 4. UNIT RATED FOR A WIND LOAD OF 100 PSF.

ITEM	Description
A	ROOF KEEL
B	BOLT: 313-18 X 0.75 HEX
C	1/4"-10 X 0.75
D	CORNER CHANNEL RACKET.
E	C-CHANNEL
F	PERIMETER CAP
G	SEALANT TAPE 1/16" X 4" (SIKATITE)
H	10-16 HEX HEAD ZINC PLATED SCREWS(8" SPACING)
I	1/4" SEALANT BEAD (SIKA)

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>Scott Wolters</i> AUG 29 2011	PROJECT: HURRICANETEST	JOB NUMBER: PROPOSAL#:	 TRANE U.S.Inc Trane Custom Air Handler Unit-Class B Construction
		DESCRIPTION: ROOF/SIDEWALLJOINT	DWG #: S6538-0027-005	
SALES OFFICE:	UNIT TAG:	REVISION: 1 8/29/11		



NOTES:


1. DOUBLE WALL THICKNESS 2" INCHES. CORE MATERIAL RIGID FROTH--FOAM INSULATION.
2. STANDARD INNER AND OUTER CASING PANELS ARE SOLID 22 GA. (0.027" MIN) STEEL.
3. UNIT RATED FOR A WIND LOAD OF 100 PSF.

TOP VIEW CORNER CASING DETAIL
(WALL TO WALL AND WALL TO CORNER.
PARTS ARE EXPLODED FOR CLARITY.)

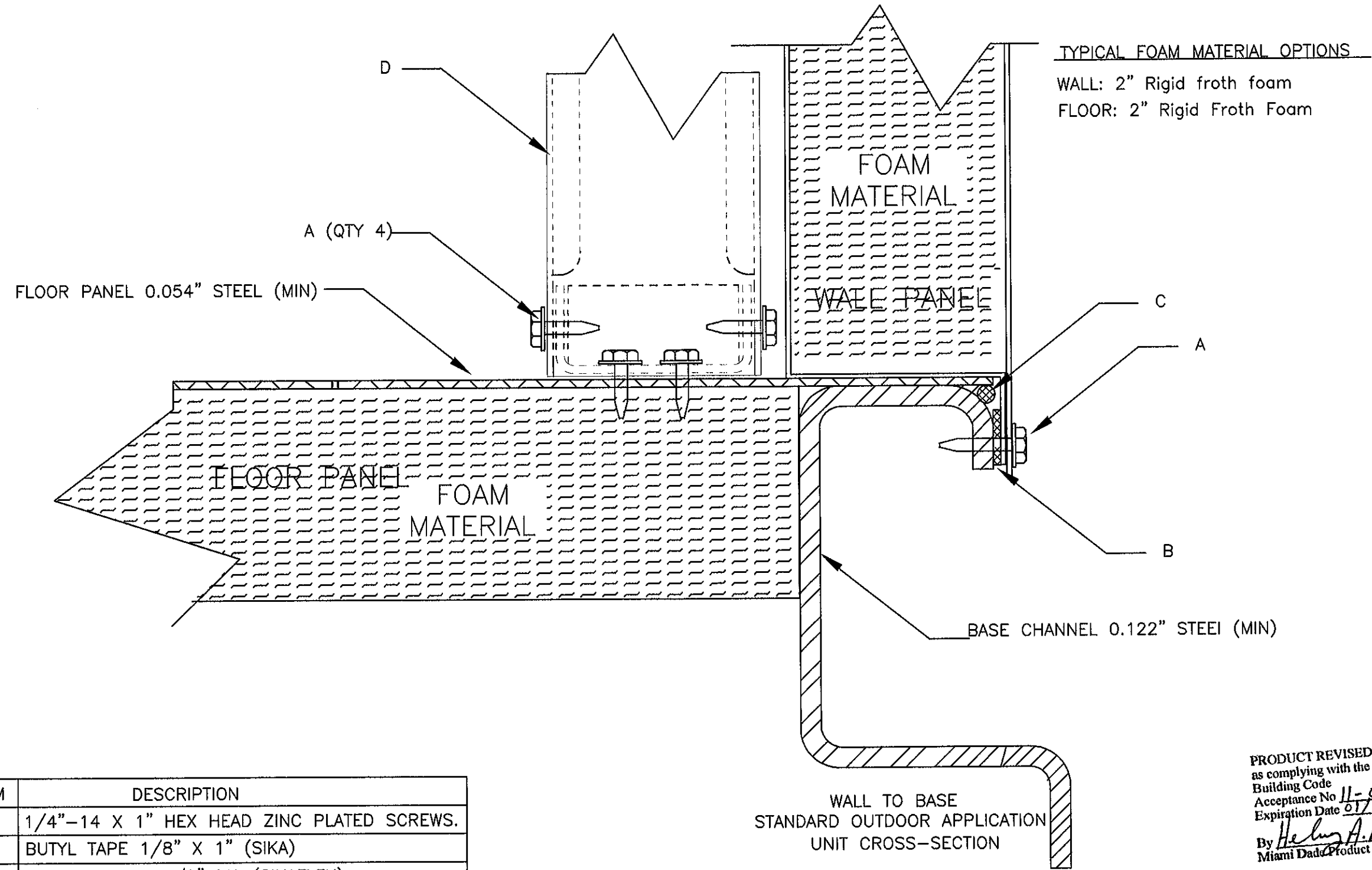
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/16/2013
By *Healy A. Alkh*
Miami Dade Product Control

ITEM	DESCRIPTION
A	10-16 X 0.75" HEX HEAD ZINC PLATED SCREWS
B	SEALANT TAPE 1/8" X 4" X PNL LENGTH (SIKATITE)
C	WALL CORNER CAP
D	BUTYL TAPE 0.188" X 1" X PNL LENGTH (SIKA)
E	WALL SEAM CAP

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COAW 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>Scott Wolters</i>	PROJECT: HURRICANETEST DESCRIPTION: TOPVIEWCORNERCASINGDTL SALES OFFICE:	JOB NUMBER: PROPOSAL #: DWG #: S6538-0027-006 UNIT TAG: REVISION: 1 8/29/11	 TRANE U.S. Inc Trane Custom Air Handler Unit-Class B Construction
	AUG 29 2011			


C-C BOTTOM

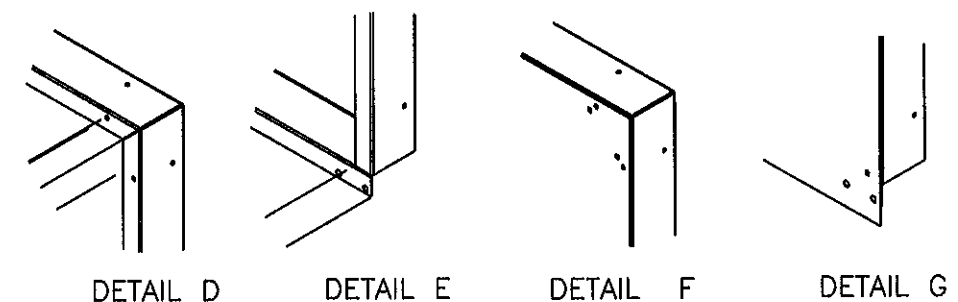
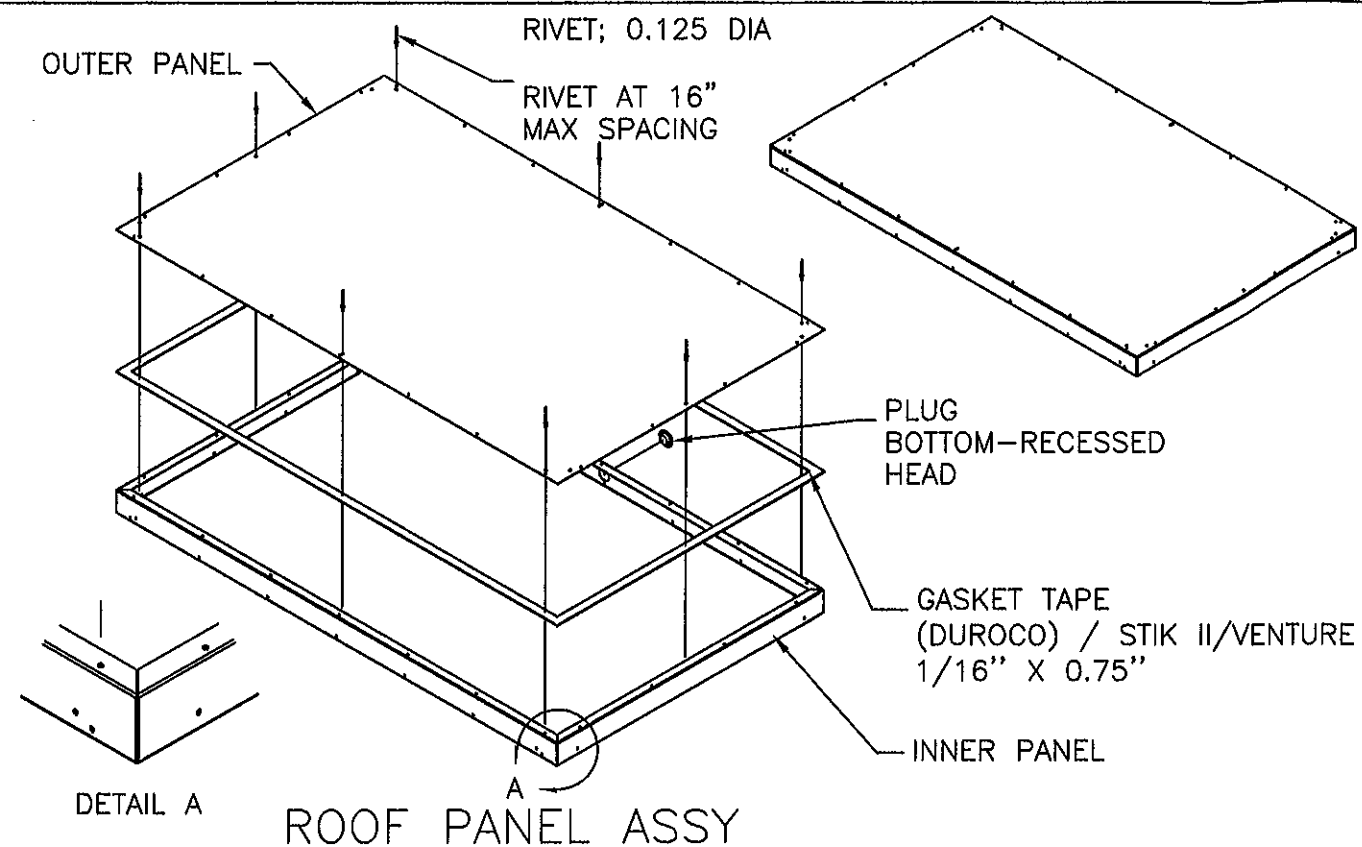


ITEM	DESCRIPTION
A	1/4"-14 X 1" HEX HEAD ZINC PLATED SCREWS.
B	BUTYL TAPE 1/8" X 1" (SIKA)
C	SEALANT BEAD 1/2" DIA (SIKAFLEX)
D	CORNER "C" CHANNEL
E	CORNER "C" CHANNEL BRACKET

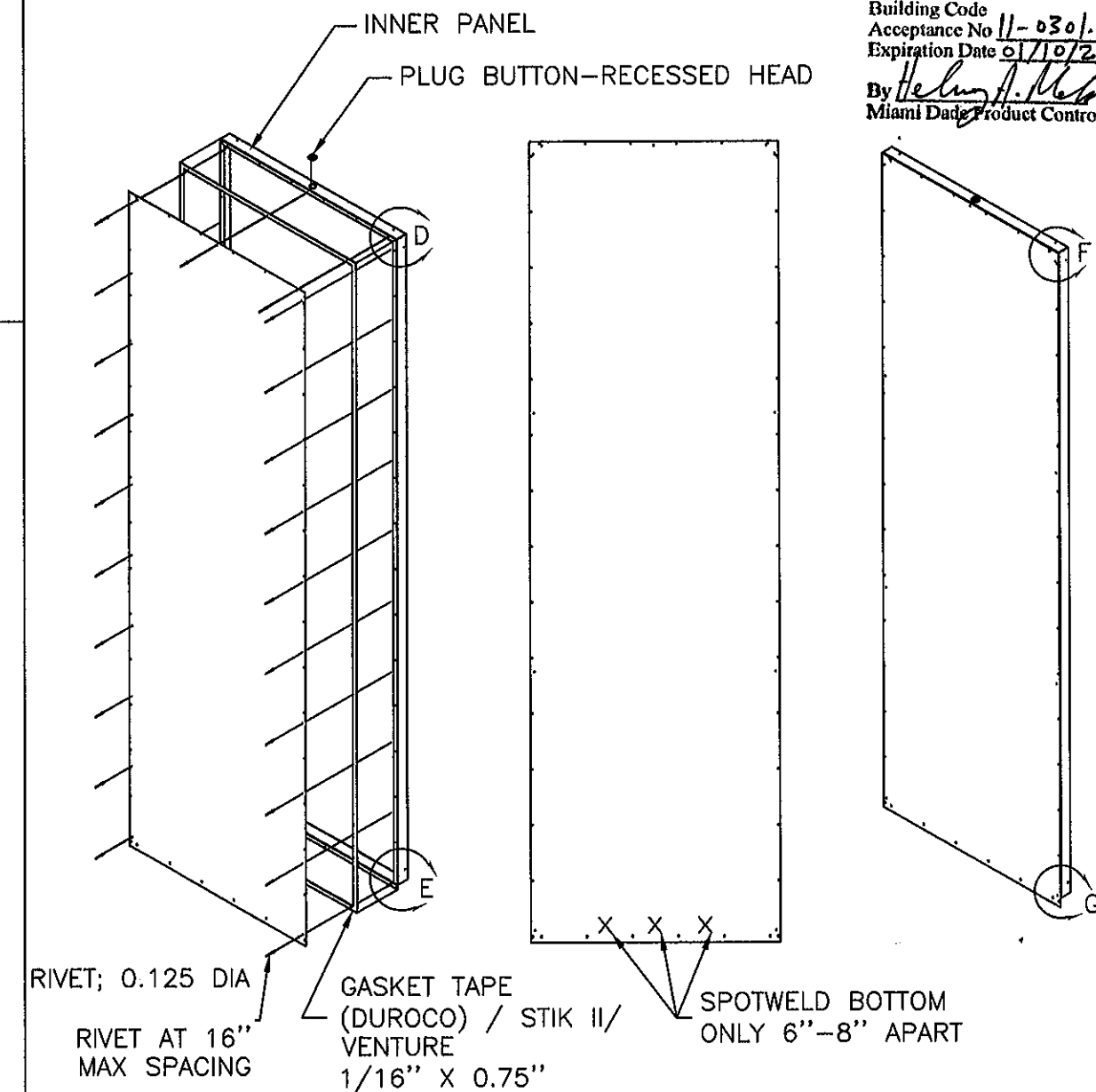
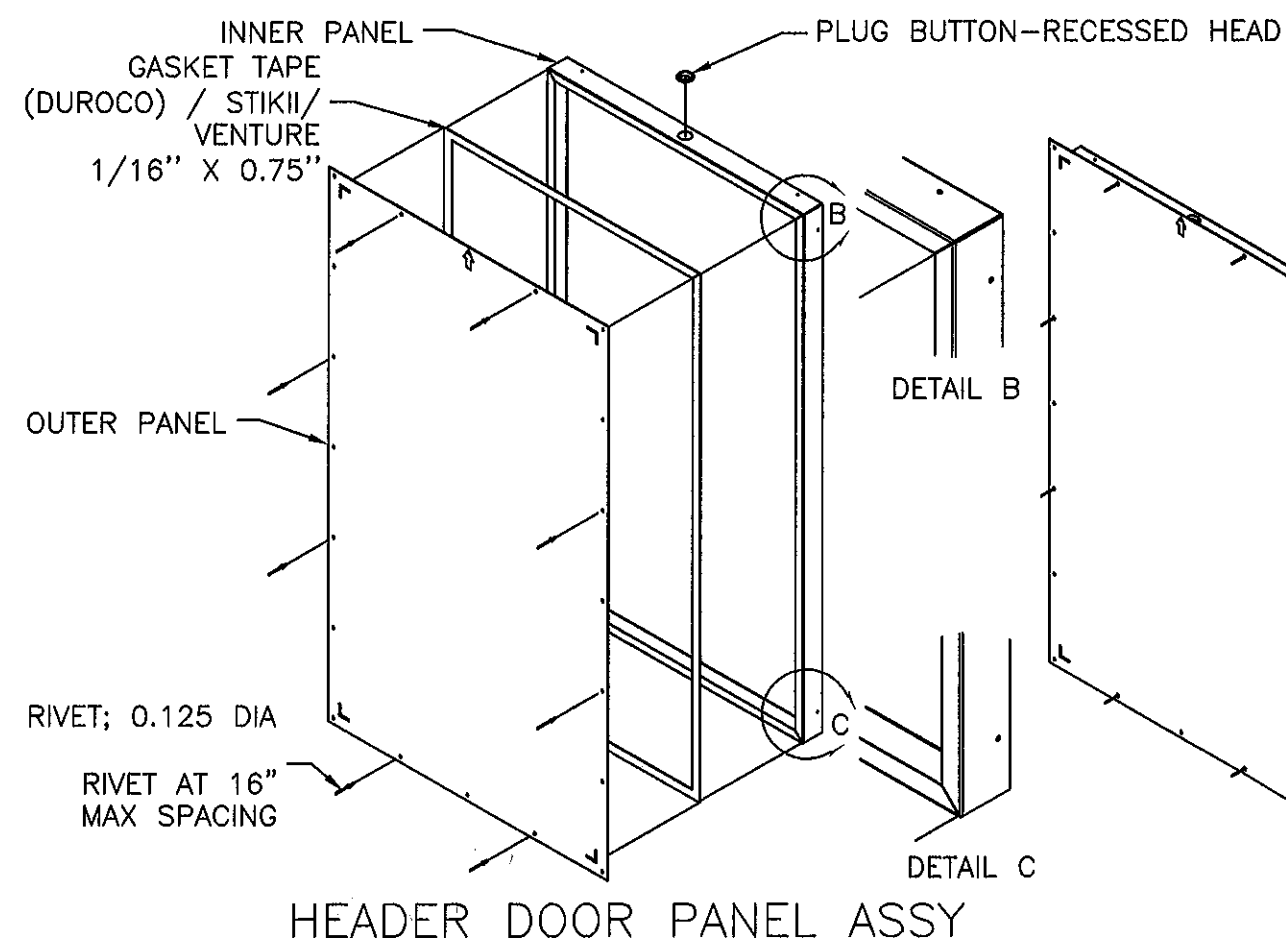
PRODUCT REVISED
as complying with the Florida:
Building Code
Acceptance No 11-0301.09
Expiration Date 01/10/2013
By *Heinz A. M. M.*
Miami Data Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS FL PEN# 62354 WOLTERS ENGINEERING (COAN 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>Scott Wolters</i> AUG 29 2011	PROJECT: HURRICANETEST DESCRIPTION: WALLTOBASEWITH"C"CHNL SALES OFFICE:	JOB NUMBER: PROPOSAL#: DWG #: S6538-0027-007 UNIT TAG: REVISION: 1 8/29/11	 TRANE U.S.Inc Trane Custom Air Handler Unit-Class B Construction
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PRODUCT REVISED
as complying with the Florida
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Acceptance No 11-0301.09
Expiration Date 01/10/2013
By *Helmy A. Nelson*
Miami Dade Product Control

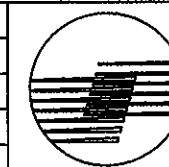


OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: *Scott Wolters*
SEAL: *Scott Wolters*
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: ROOFPNL/WALLPNL/HEADERPNLDTLS
SALES OFFICE:

JOB NUMBER:
PROPOSAL#:
DWG #: S6538-0027-008
UNIT TAG:
REVISION: 1 8/29/11



TRANE

U.S.Inc

Trane Custom Air Handler Unit-Class B Construction

HDY
APPLIED AROUND
PERIMETER OF
HEADER PANEL

HA

DOOR HEADER PANEL

DOOR AND DOOR FRAME

HDY	BUTYL TAPE 0.125" X 1" (SIKA)
HA	SCREW 10-16 X 0.75"

NOTES:
ONCE THE HEADER PANEL IS IN PLACE THE DOOR FRAME WILL
BE MOUNTED TO THE UNIT SIMILAR TO A WALL PANEL.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301.09
Expiration Date 01/10/2013
By Helmut A. Mehn
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019

SEAL

Scott Wolters

AUG 29 2011

PROJECT: HURRICANETEST

DESCRIPTION: DOORANDDOORFRAME

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #: S6538-0027-009

UNIT TAG:

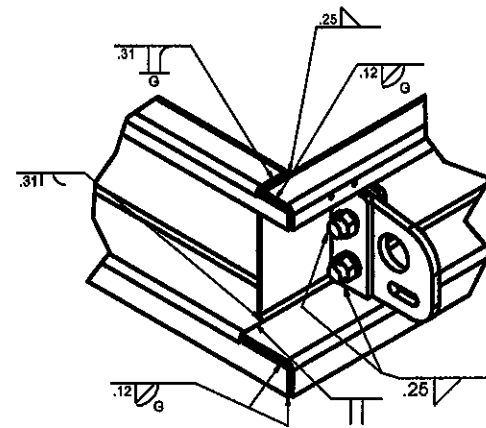
REVISION: 1 8/29/11



TRANE

U.S.Inc

Trane Custom Air Handler Unit-Class B Construction

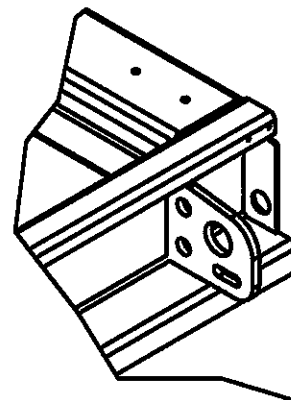


WELDS GROUND FLUSH
ON TOP OF BASE.

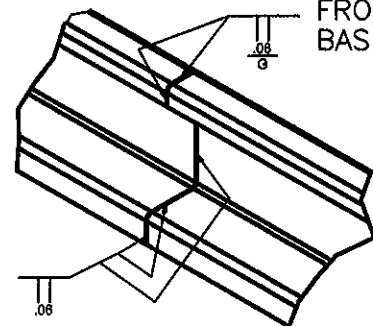
WELD ON OUTSIDE FACE OF
ALL LIFTING LUG PLATES.

DETAIL C

NOTE:
TYPICAL FOR ALL CORNERS.



DETAIL D



DETAIL F

NOTE:
TYPICAL FOR ALL SPLICE POINTS

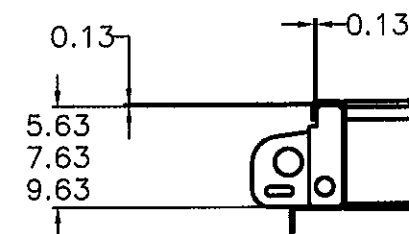
WELDS GROUND
FLUSH ON TOP AND
FRONT FLANGE OF
BASE.

220" MAX

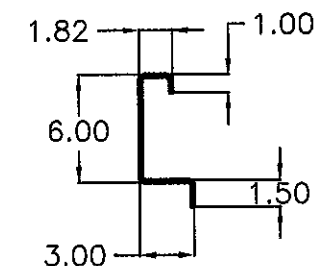
360" MAX

SHIPPING SPLIT

END OF UNIT



THERE ARE THREE LIFTING LUG HEIGHTS.



BASE DETAIL

PRODUCT REVISED
as complying with the Florida
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Expiration Date 01/10/2013
By Heung A. Ma
Miami Dade Product Control

NOTES:

1. ALL JOINTS OF STRUCTURAL MEMBERS ARE CONTINUOUSLY ARC WELDED
2. UNIT BASE AS SHOWN IS COMPLETELY PAINTED PRIOR TO FLOOR PANEL ATTACHMENT.
3. THE UNIT BASE FRAME PERIMETER IS FULLY WELDED 0.122 (MIN) THICKNESS.
4. AIR HANDLING UNIT SIZE CAN VARY, BUT SPACING OF U-CHANNEL FRAMEWORK NOT TO EXCEED MAXIMUM ROOF/FLOOR AND WALL PANEL WIDTH.
5. CROSS SUPPORT CHANNELS ADDED AS REQUIRED. (SEE DRAWINGS S6538-0027-012)

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019

AUG 29 2011

PROJECT: HURRICANETEST

DESCRIPTION: BASESTRUCTUREDTL

SALES OFFICE:

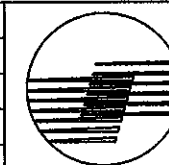
JOB NUMBER:

PROPOSAL#:

DWG #: S6538-0027-010

UNIT TAG:

REVISION: 1 8/29/11

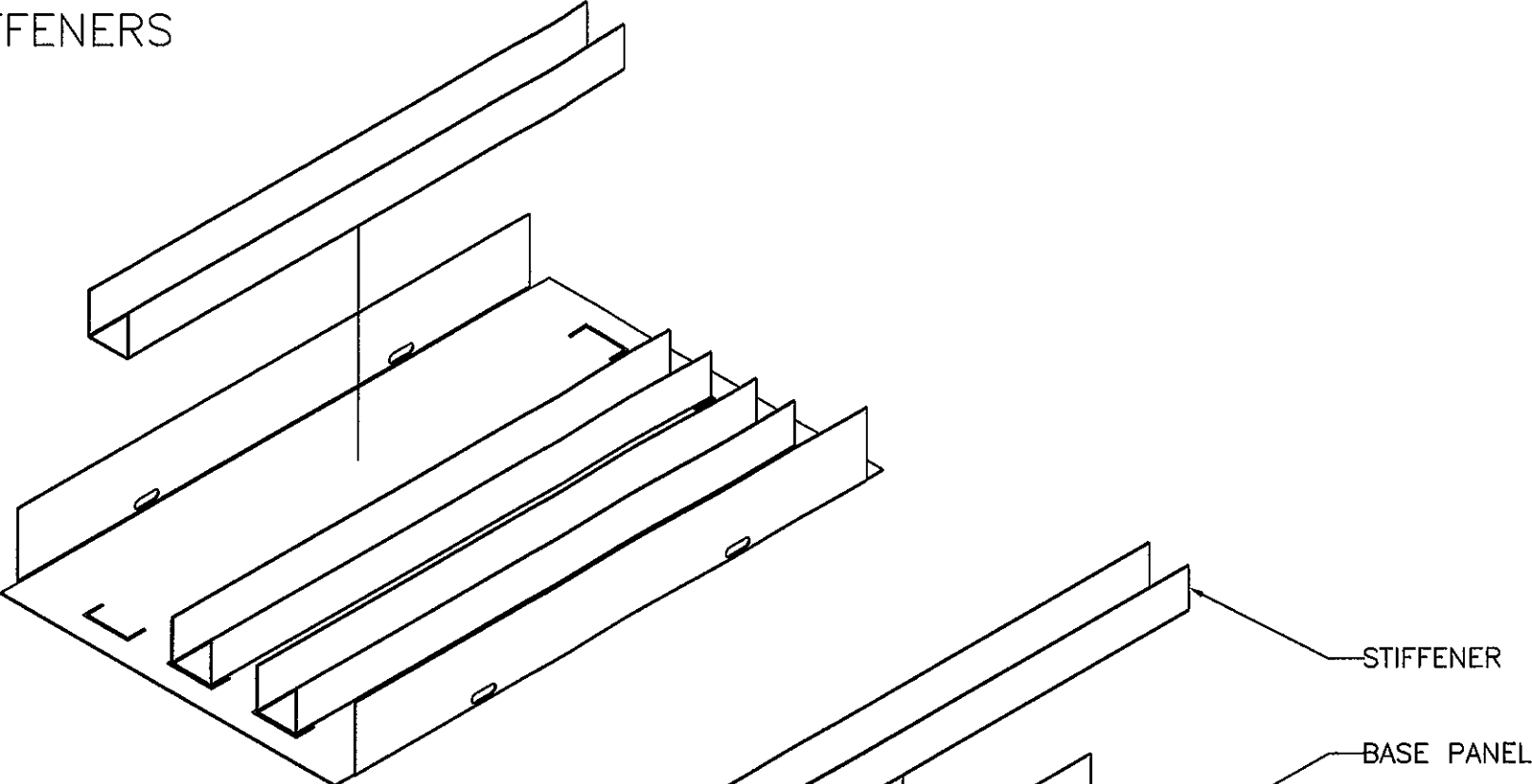


TRANE

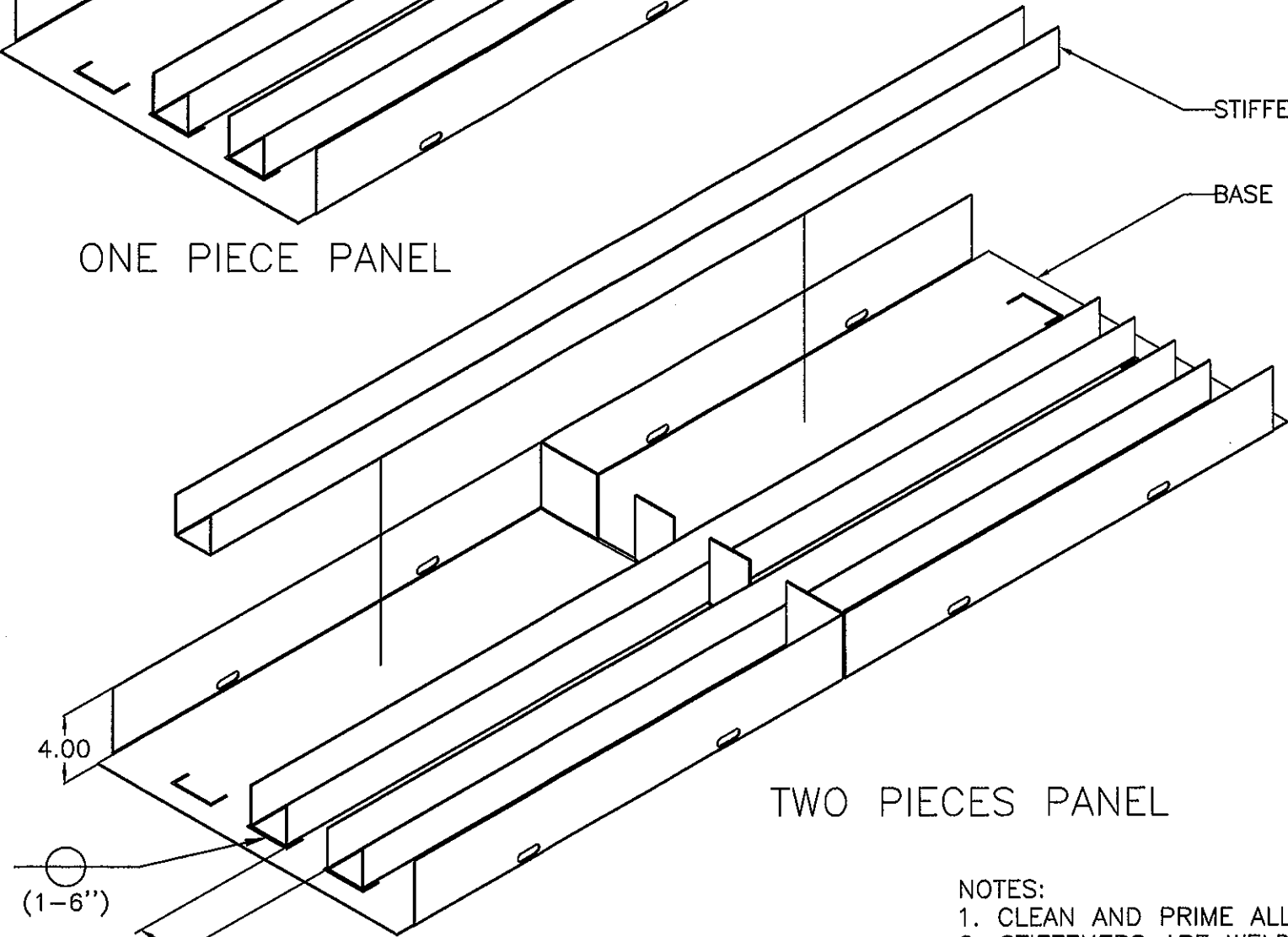
U.S.Inc

Trane Custom Air Handler Unit-Class B Construction

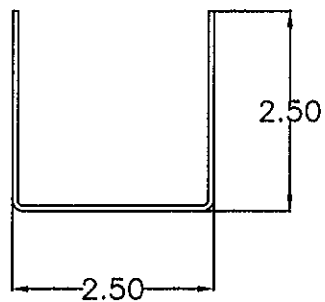
BASE PANEL AND STIFFENERS



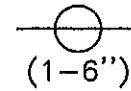
ONE PIECE PANEL



TWO PIECES PANEL



STIFFENER
SOLID 14 GA. (0.067" MIN) STEEL.




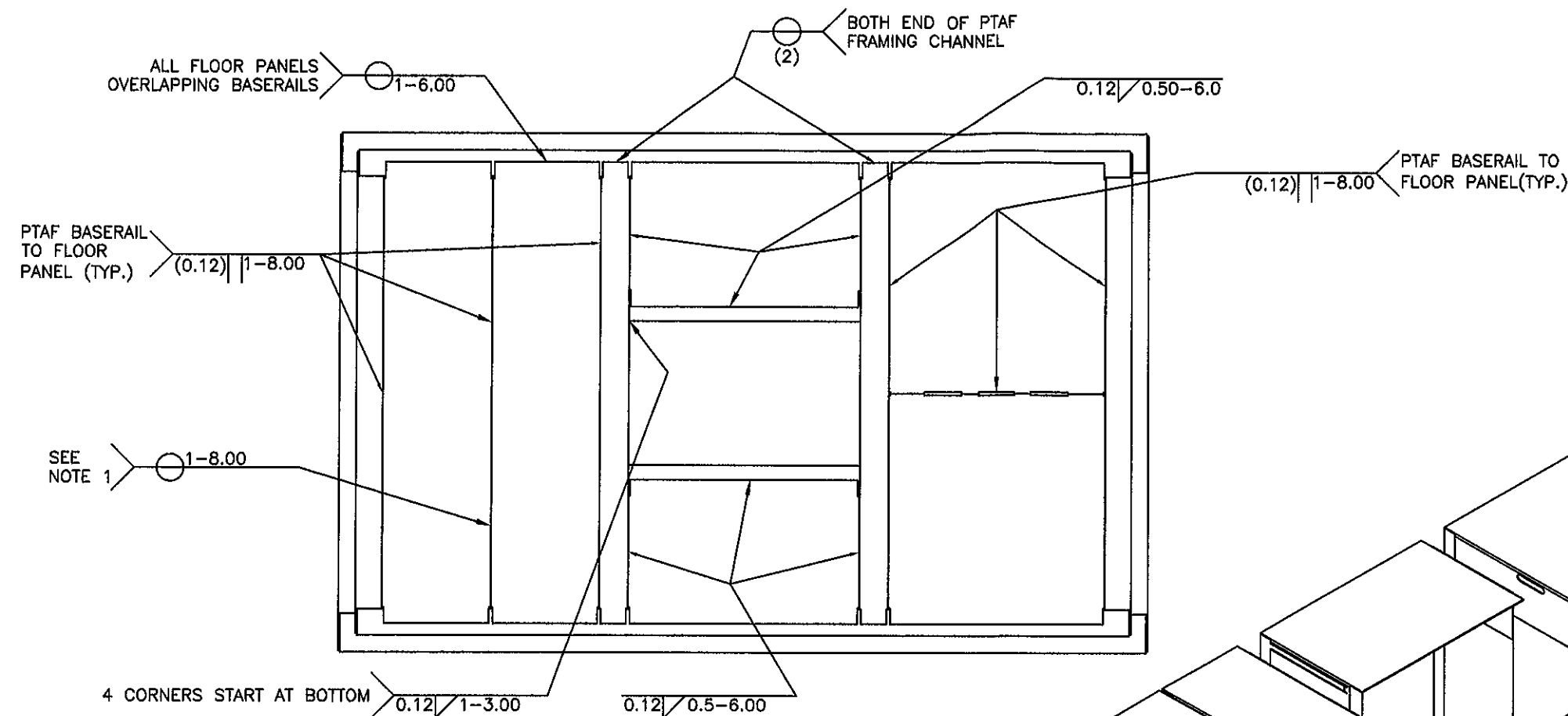
BASE PANELS STIFFENERS
LOCATED AT 19" MAX SPACING

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301.09
Expiration Date 01/10/2013
By Helmy A. M. M.
Miami Dade Product Control

- NOTES:
1. CLEAN AND PRIME ALL WELDS ON BOTH SIDE.
2. STIFFENERS ARE WELDED TO BASE PANELS.

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

<p>ENGINEER:</p> <p>SCOTT WOLTERS FL PE# 62334</p> <p>WOLTERS ENGINEERING (CDA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: WELDASSY;FLOORPANEL</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-011</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	<p> TRANE U.S.Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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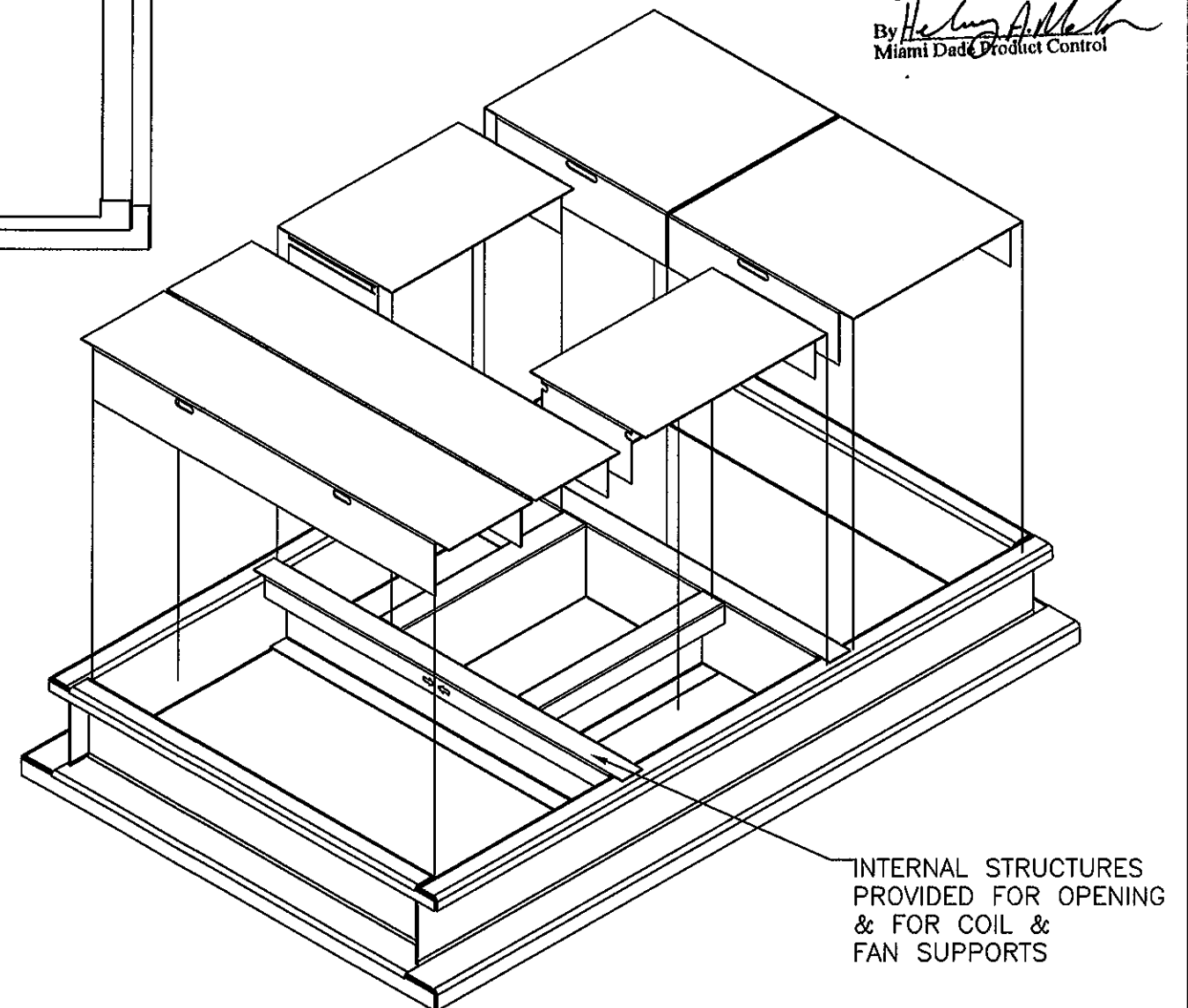


TOP VIEW


NOTES:

1. WHEN SPACE IS AVAILABLE TO SPOT WELD PANEL FLANGES, USE THIS METHOD.
2. MAXIMUM GAP BETWEEN PANELS SHOULD NOT EXCEED 0.03"

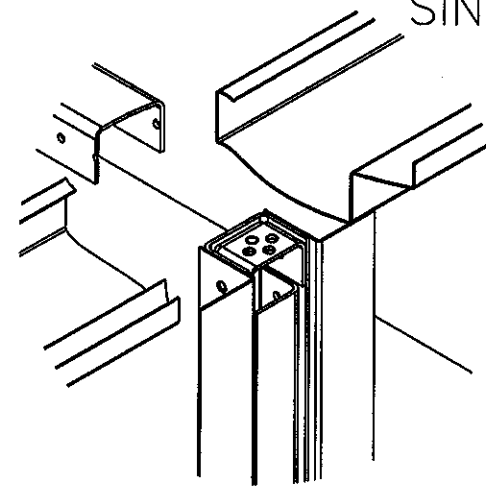
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By Heung A. Ma
Miami Dade Product Control



OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

<p>ENGINEER: SCOTT WOLTERS FL PE# 62354</p> <p>WOLTERS ENGINEERING (CD# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: WELDASSYFLOORPANELINSTL</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-012</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	 <p>TRANE U.S.Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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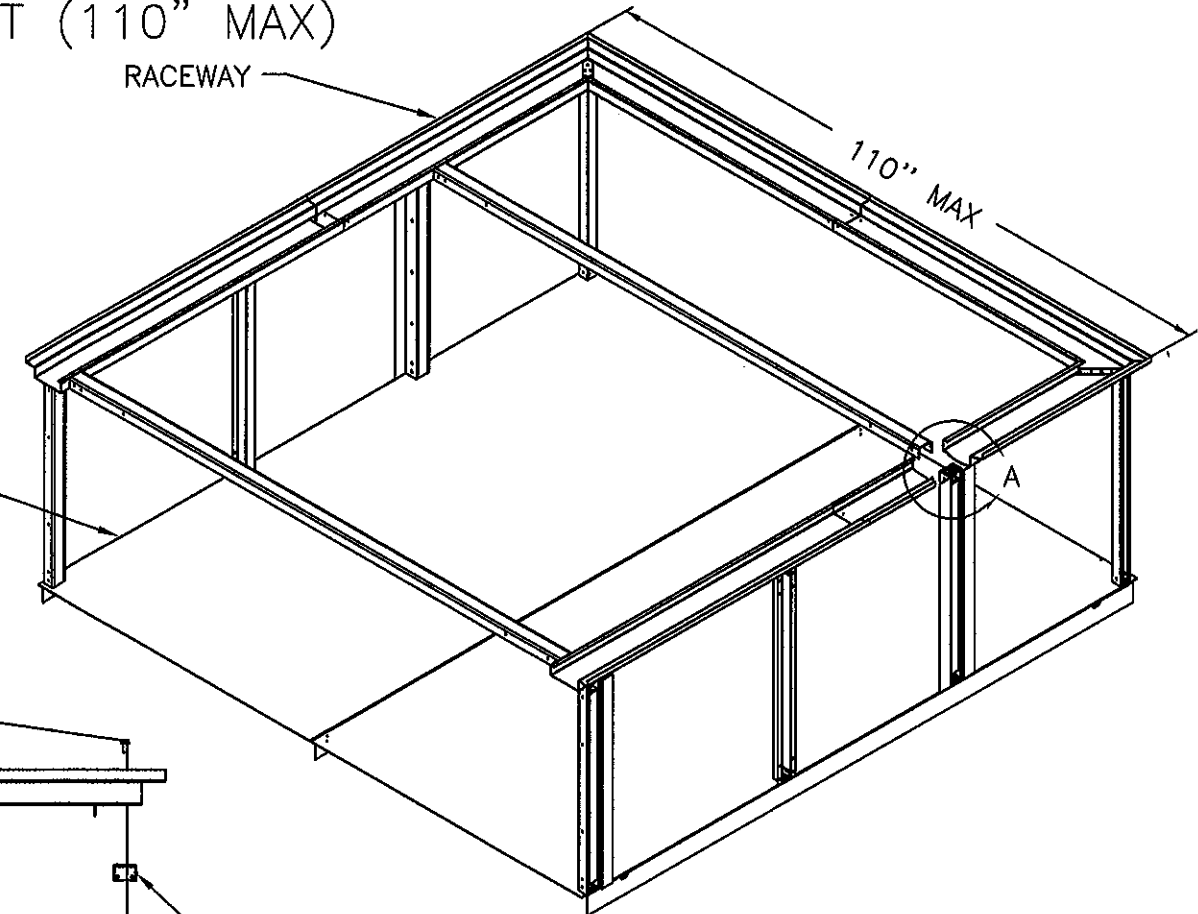
BASE STRUCTURE AND WALL PANELS ARE HIDDEN FOR CLARITY
SINGLE ROOF PANEL LAYOUT (110" MAX)



DETAIL A

RACEWAY

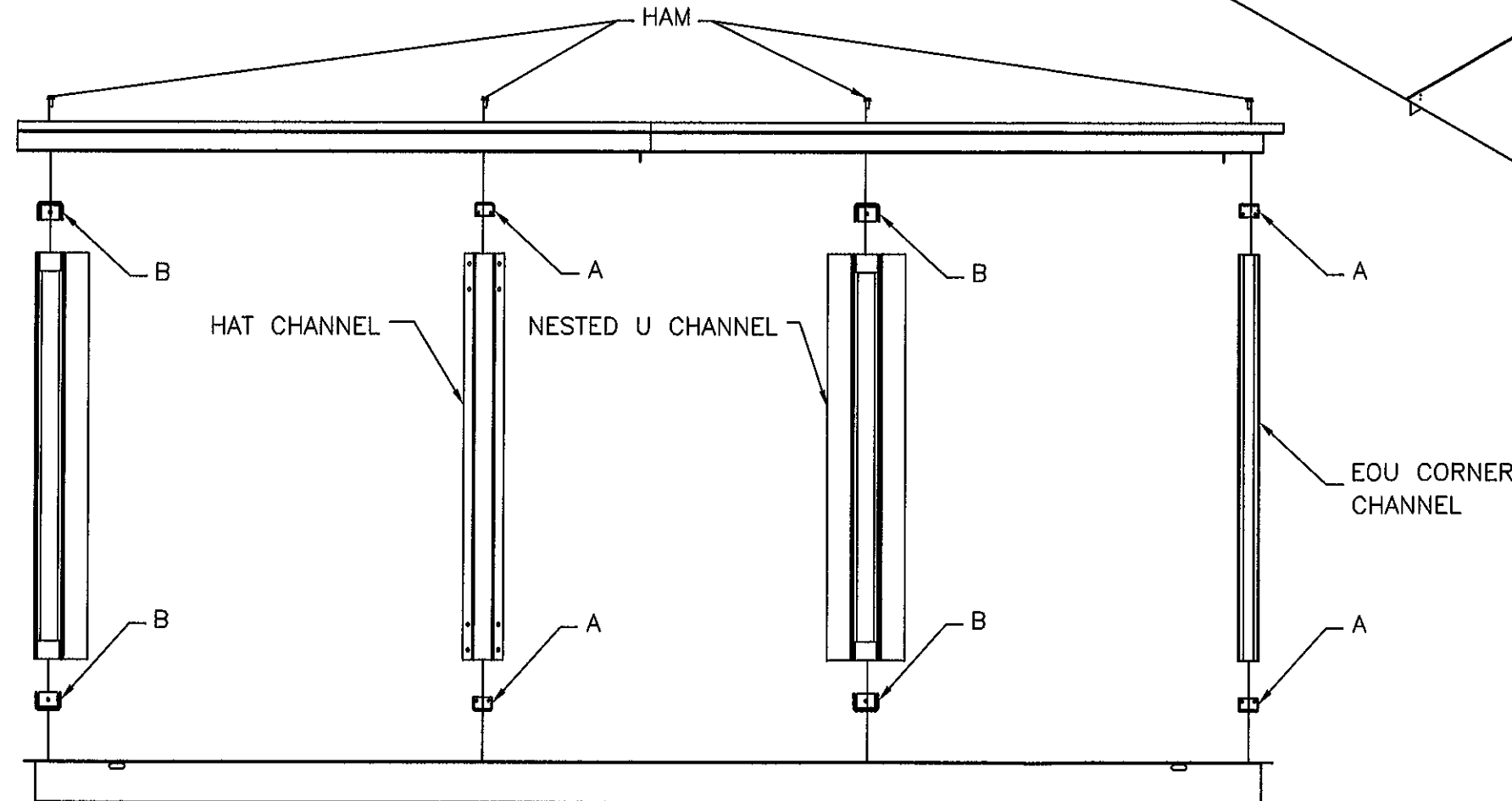
110" MAX



BASE FLOOR PANEL

A

HAM



SIDE VIEW

NOTES:
REFER TO S6538-0027-022
FOR NESTED "U" DETAILS

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as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *Healy A. M.*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING
(CDAN 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019

AUG 29 2011

PROJECT: HURRICANETEST

DESCRIPTION: INTERNALSTRUCTUREASSY

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #: S6538-0027-013

UNIT TAG:

REVISION: 1 8/29/11



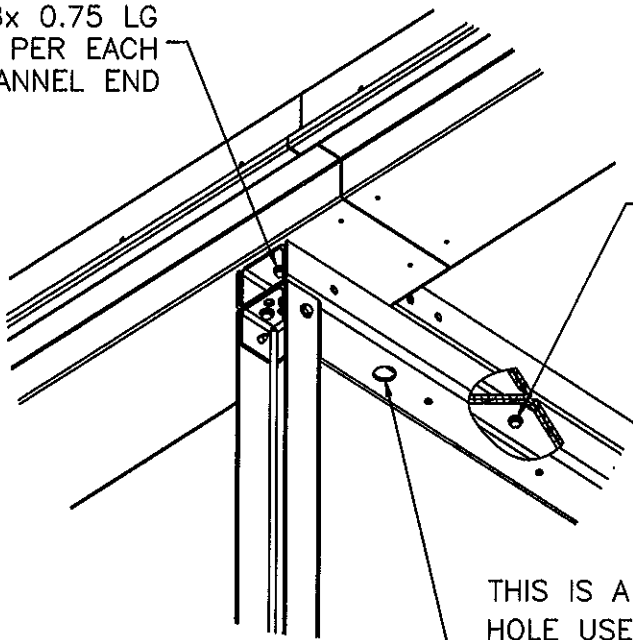
TRANE

U.S.Inc

Trane Custom Air Handler Unit-Class B Construction

BASE STRUCTURE AND WALL PANELS ARE HIDDEN FOR CLARITY
2PC ROOF W/SUPPORTS

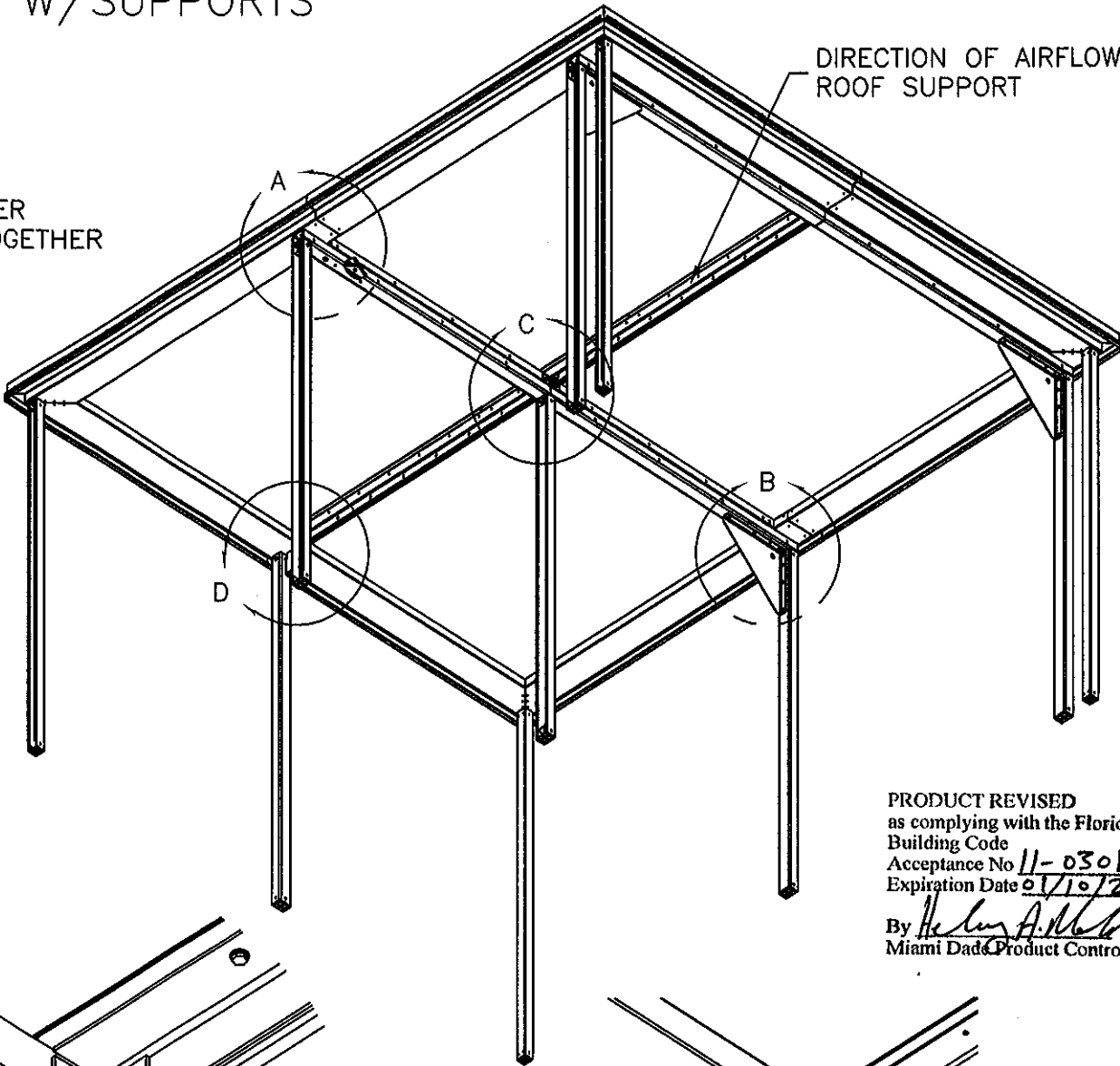
5/16-18x 0.75 LG
QTY 2 PER EACH
CHANNEL END



DETAIL A

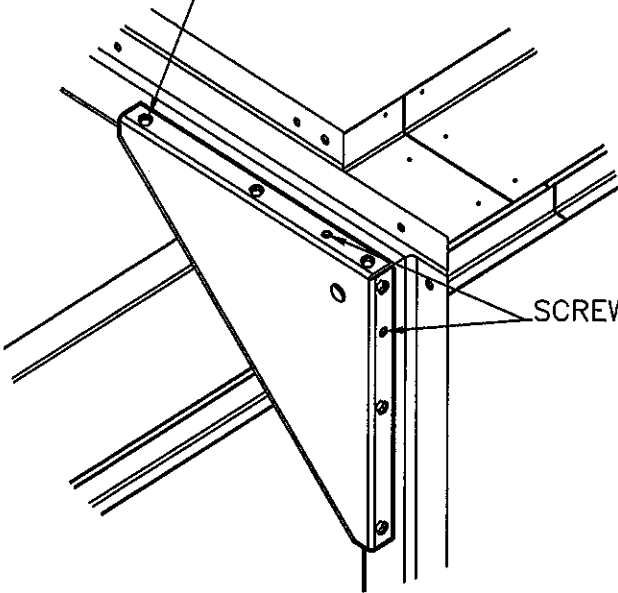
5/16-18x 0.75 LG
ATTACHES UPPER AND LOWER
U-CHANNEL ASSEMBLIES TOGETHER

THIS IS A TOOL CLEARANCE
HOLE USED TO ATTACH THE
UPPER NESTED U-CHANNEL
ASSEMBLY TO THE INTER-MEDIATE
BRACKET. THE GUSSET HAS BEEN
REMOVED FOR CLARITY.



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Expiration Date 01/10/2013
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Miami Dade Product Control

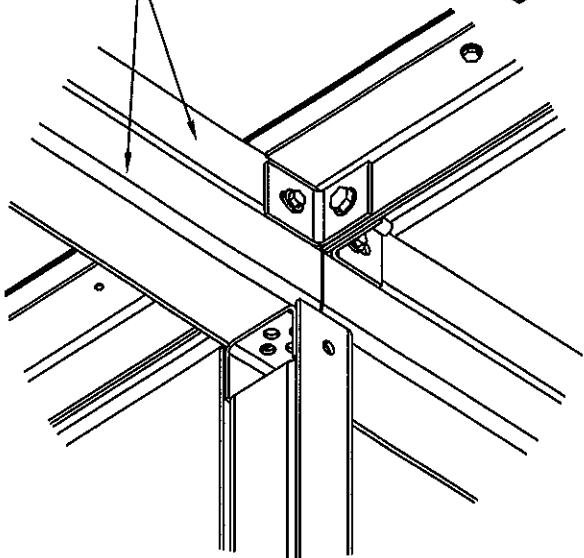
5/16-18 X 0.75 LG
QTY 6



DETAIL B

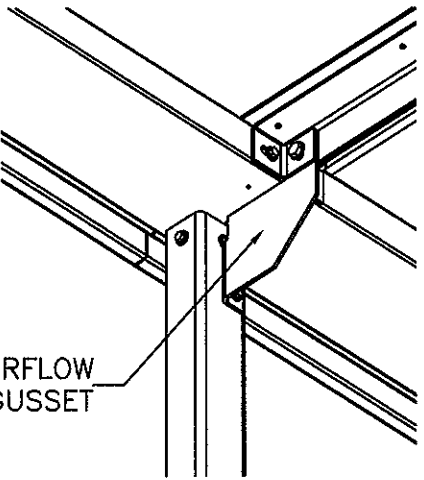
NESTED U STRUCTURE
STACKED OVER EACH OTHER

SCREW NOT REQUIRED




DETAIL C
VERTICAL CHANNEL IS HIDDEN FOR CLARITY

DIRECTION OF AIRFLOW
SUPPORT GUSSET

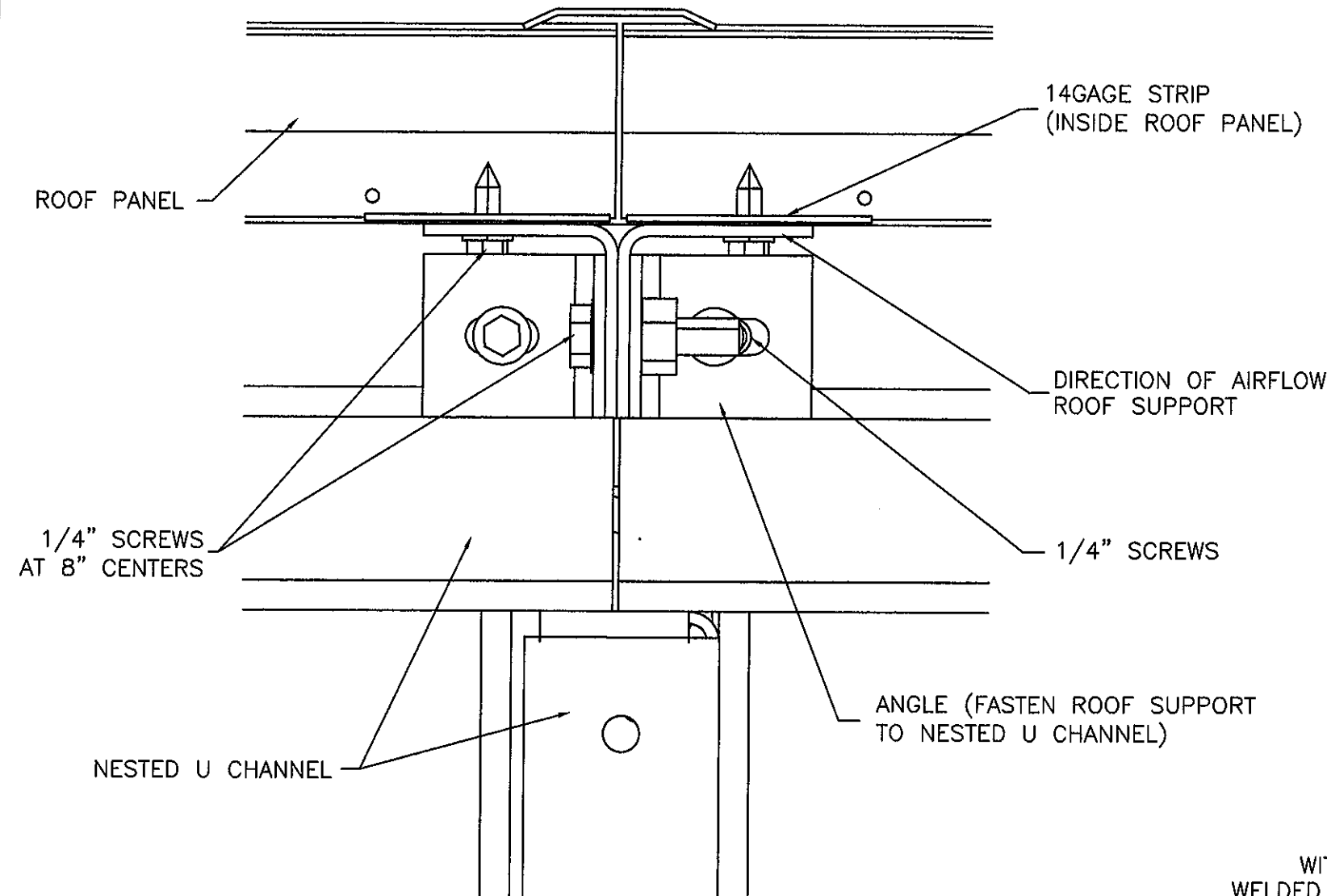


DETAIL D
VERTICAL CHANNEL IS HIDDEN FOR CLARITY

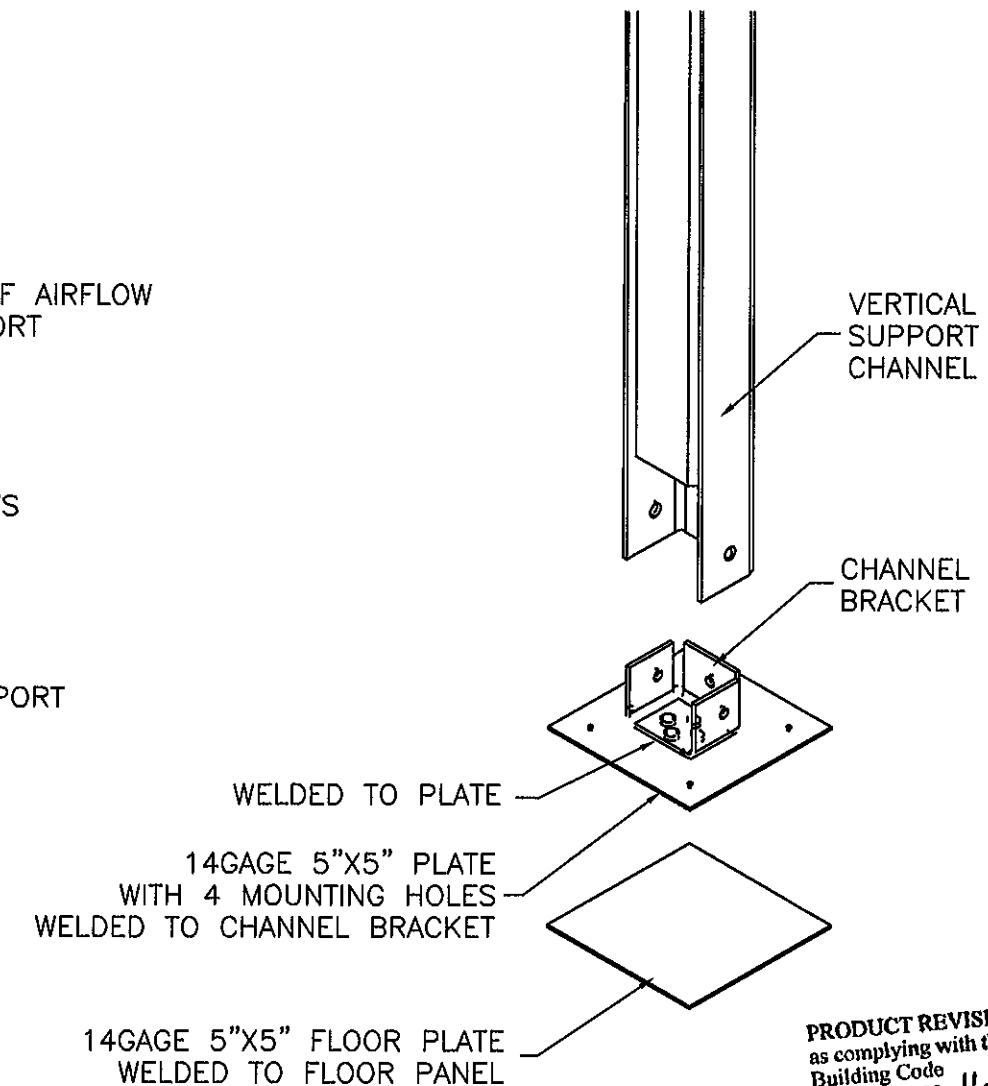
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

<p>ENGINEER: SCOTT WOLTERS FL PE# 62354</p> <p>WOLTERS ENGINEERING (CDA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019</p> <p>AUG 29 2011</p>	<p>PROJECT: HURRICANETEST</p> <p>DESCRIPTION: NESTED U CHANNEL ROOF ASSY</p> <p>SALES OFFICE:</p>	<p>JOB NUMBER:</p> <p>PROPOSAL#:</p> <p>DWG #: S6538-0027-014</p> <p>UNIT TAG:</p> <p>REVISION: 1 8/29/11</p>	<p> TRANE U.S. Inc</p> <p>Trane Custom Air Handler Unit-Class B Construction</p>
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DETAIL C
ATTACHMENT TO ROOF PANEL DETAIL
FROM PAGE 014



DETAIL ATTACHMENT TO BASE PANEL DETAIL
FROM PAGE 014



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as complying with the Florida
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Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *Heidi A. Nelson*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PEN 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING
(CD# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019

AUG 29 2011

PROJECT: HURRICANETEST

DESCRIPTION: NESTED U CHANNEL ROOF ASSY

SALES OFFICE:

JOB NUMBER:

PROPOSAL #:

DWG #: S6538-0027-015

UNIT TAG:

REVISION: 1 8/29/11

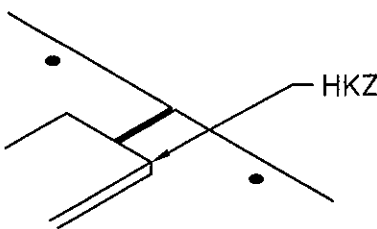
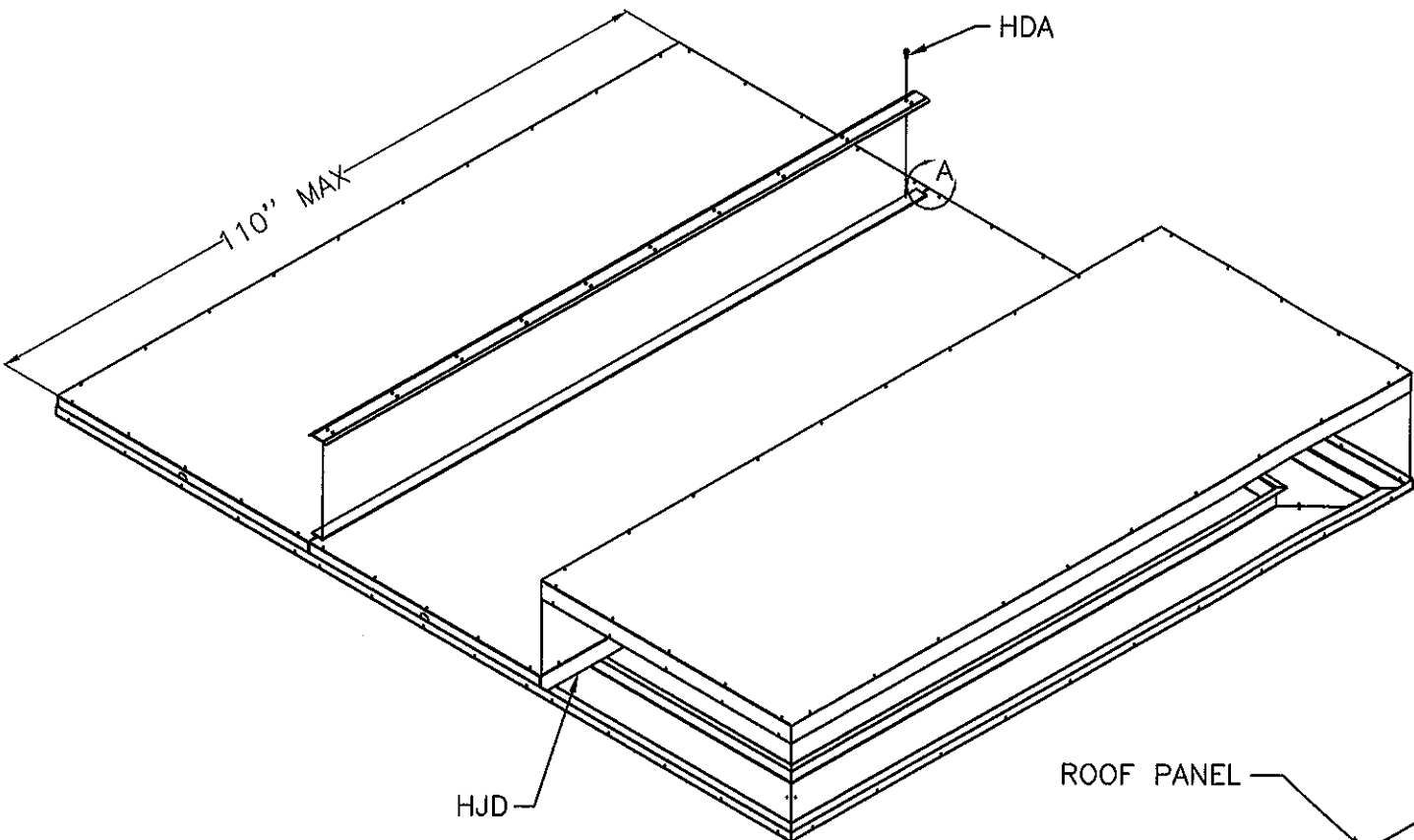


TRANE

U.S. Inc

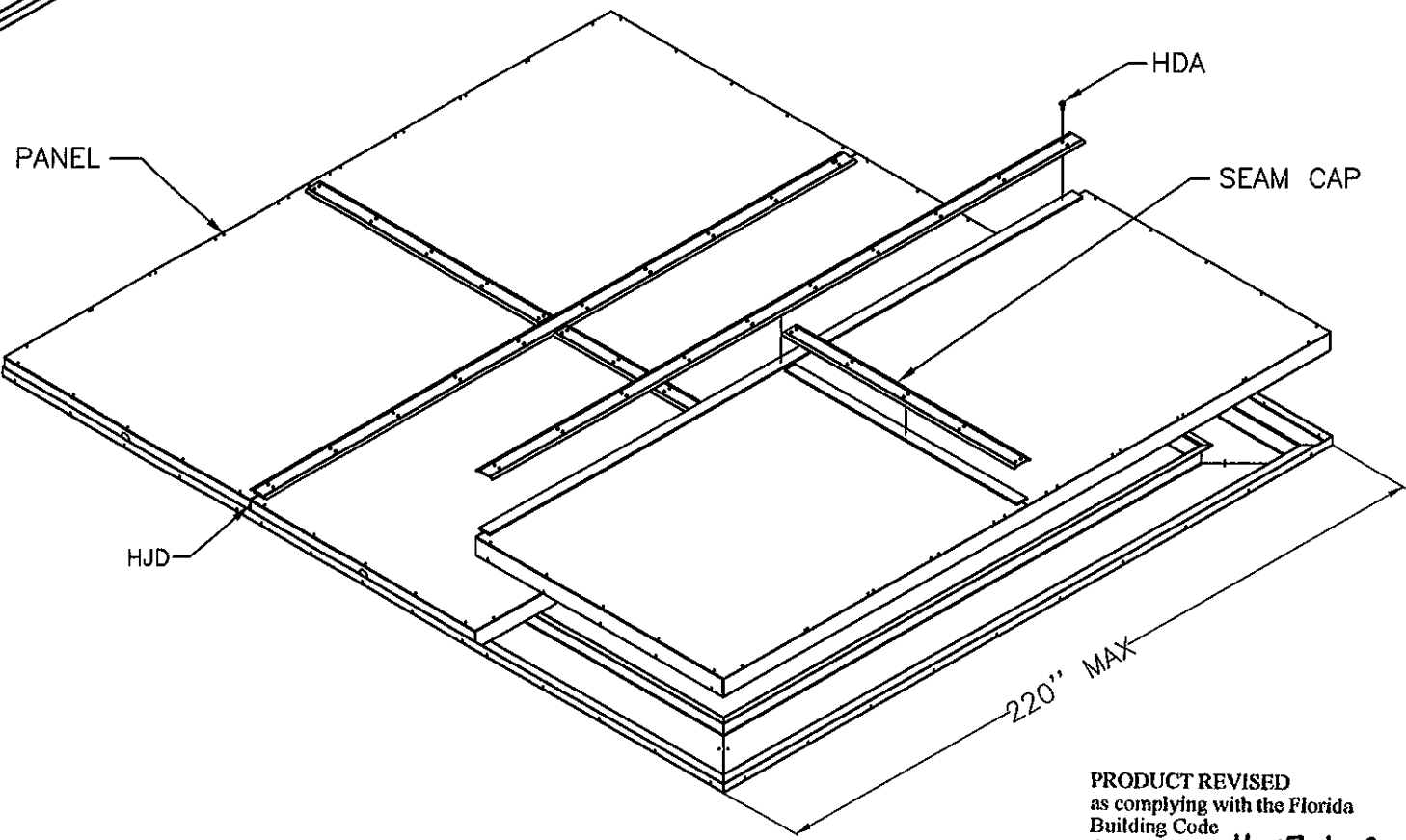
Trane Custom Air Handler Unit-Class B Construction

BASE, WALLS AND CHANNEL STRUCTURES
ARE HIDDEN FOR CLARITY



DETAIL A

1-PIECE ROOF DESIGN



HDA	SCREW 10-16 X 0.75"
HJD	CAULK BEAD (SIKA) ZIGZAG
HKZ	BUTYL TAPE 0.125" X 1" X PANEL LENGH (SIKA)

2-PIECE ROOF DESIGN

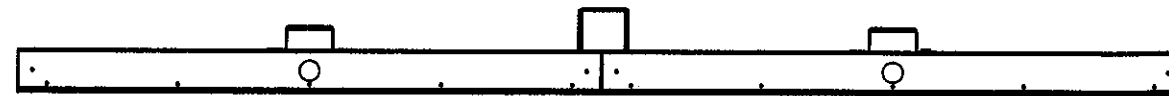
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301.09
Expiration Date 01/10/2013
By *Heidi A. Nelson*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

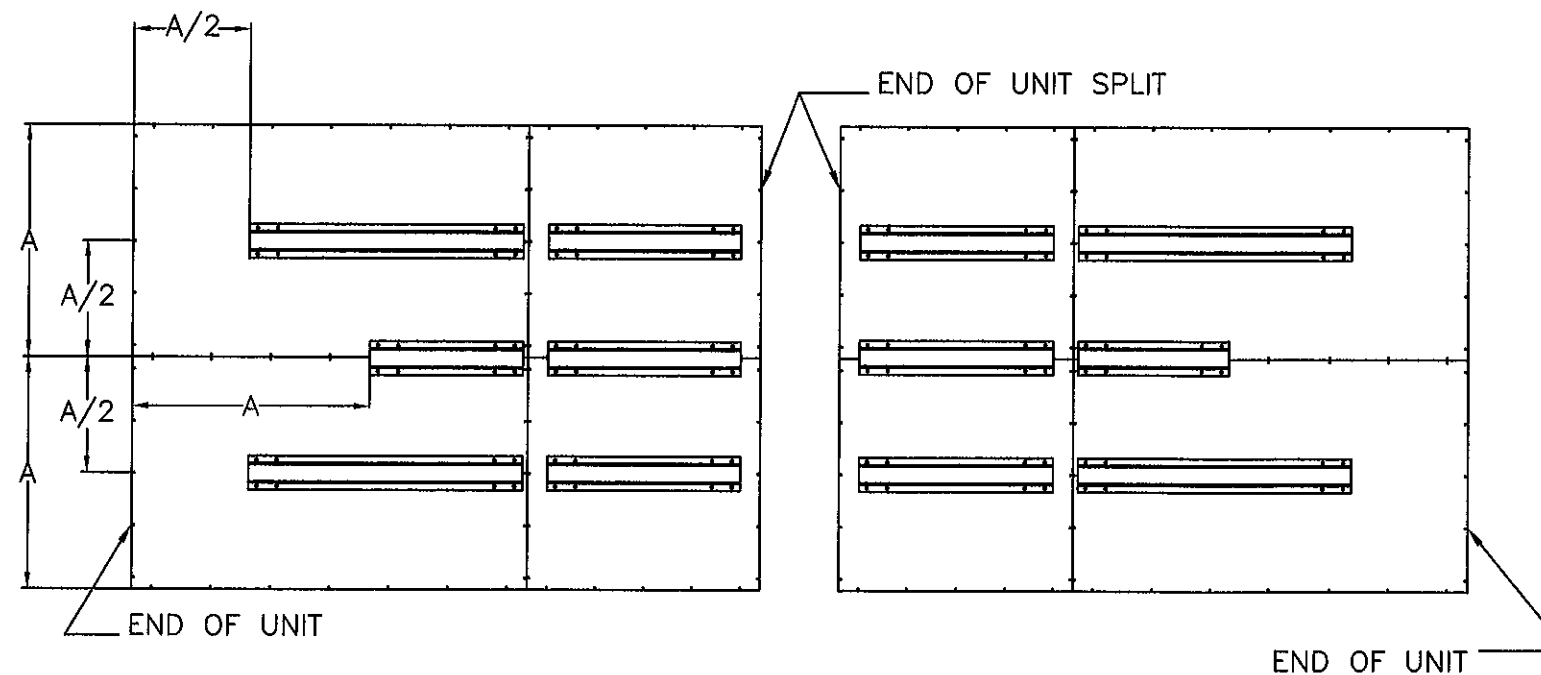
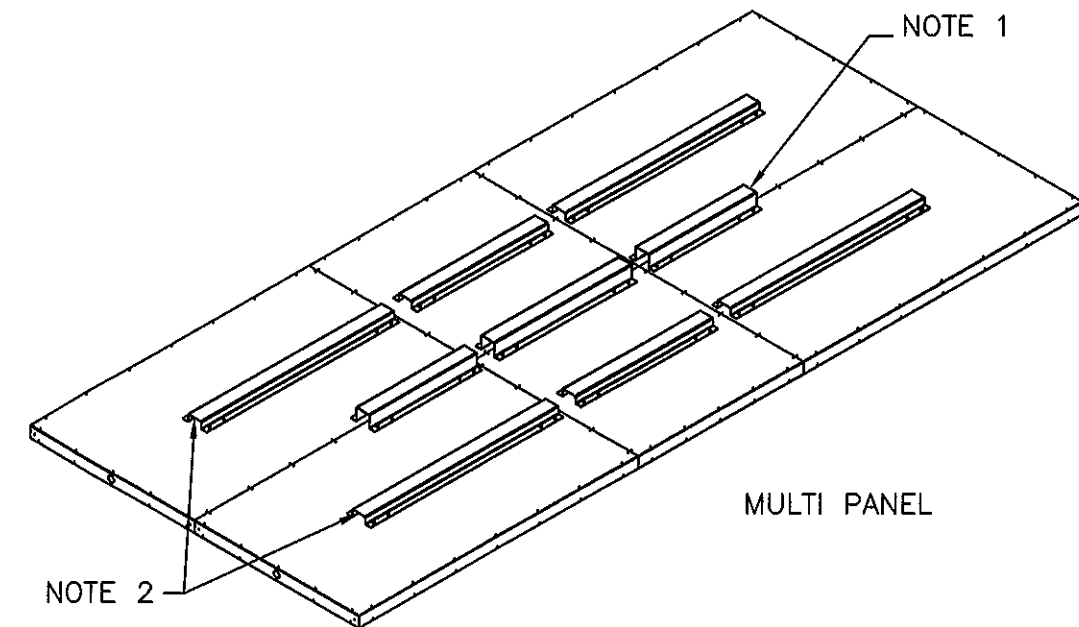
ENGINEER: SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: OUTDOORROOFASSY
SALES OFFICE:
JOB NUMBER:
PROPOSAL#:
DWG #: S6538-0027-016
UNIT TAG:
REVISION: 1 8/29/11



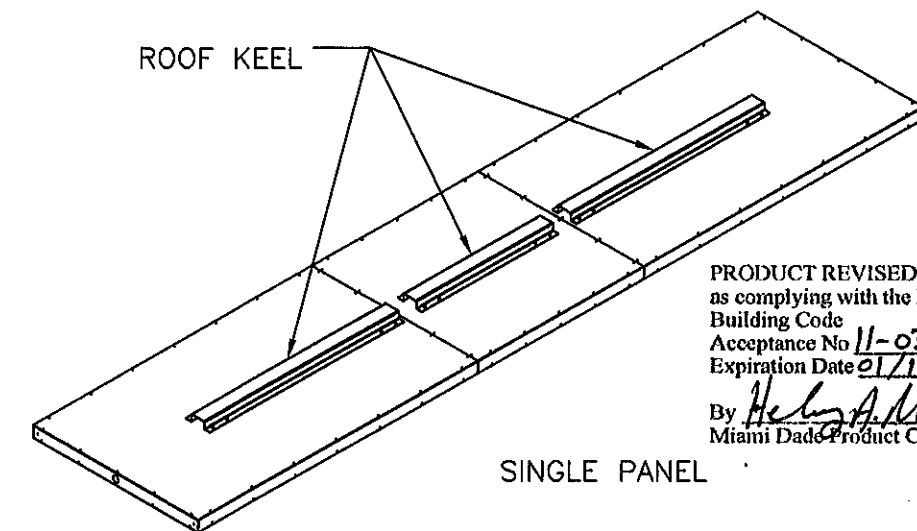


FRONT VIEW (TYP.)



NOTES:

1. WIDTH BETWEEN 72"-80": USE SMALL KEEL
WIDTH BETWEEN 81"-181": USE LARGE KEEL
2. WIDTH BETWEEN 72"-80": NOT REQUIRED
WIDTH BETWEEN 72"-181": USE SMALL KEEL



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Building Code
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Expiration Date 01/10/2013
By *Helga A. Miller*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:

SCOTT WOLTERS
FL PE# 62354

SEAL:

Scott Wolters

WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019

AUG 29 2011

PROJECT: HURRICANETEST

DESCRIPTION: OUTDOOR ROOF INSTL; KEELS & PANELS

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #: S6538-0027-017

UNIT TAG:

REVISION: 1 8/29/11

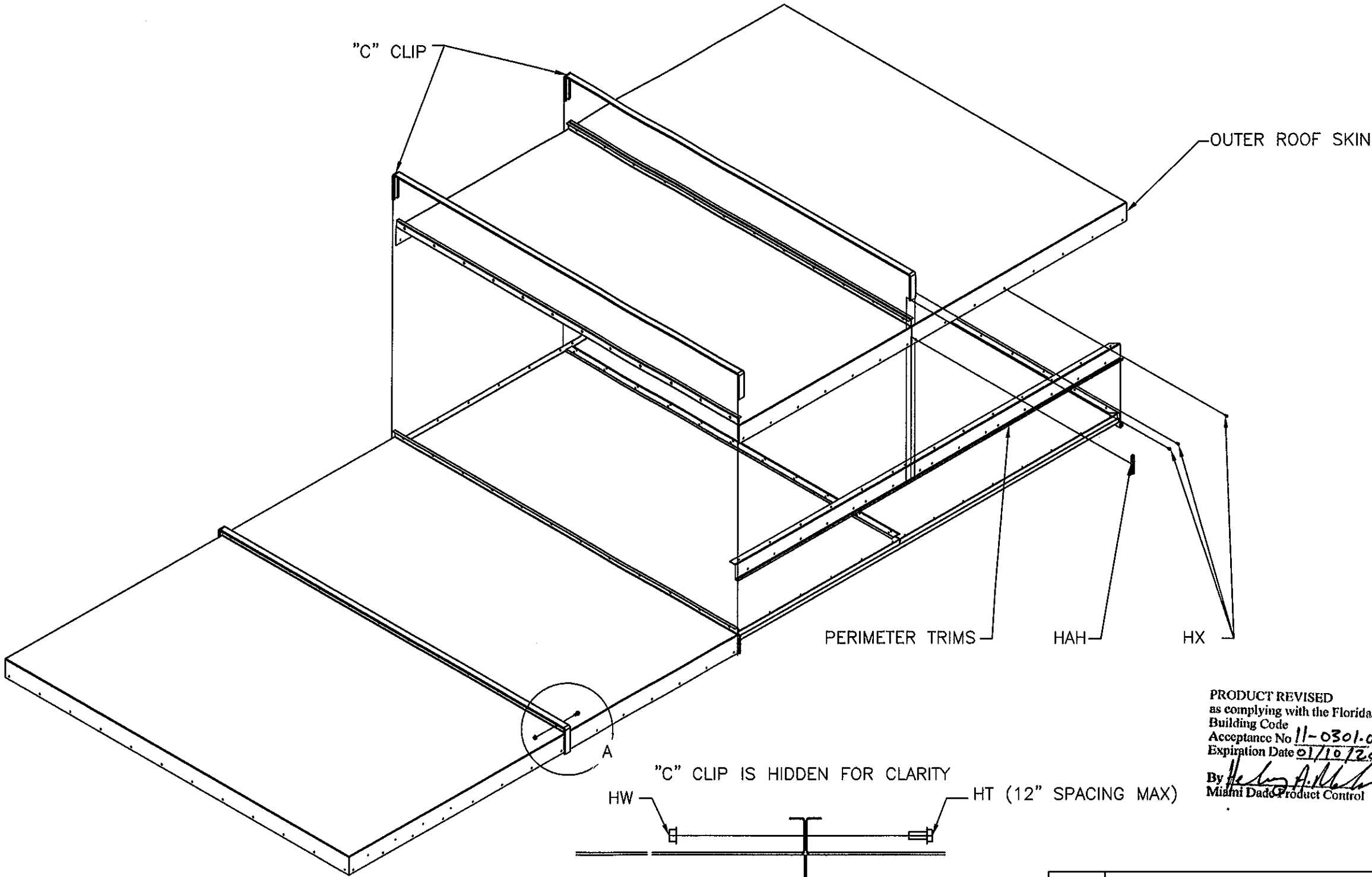


TRANE

U.S. Inc

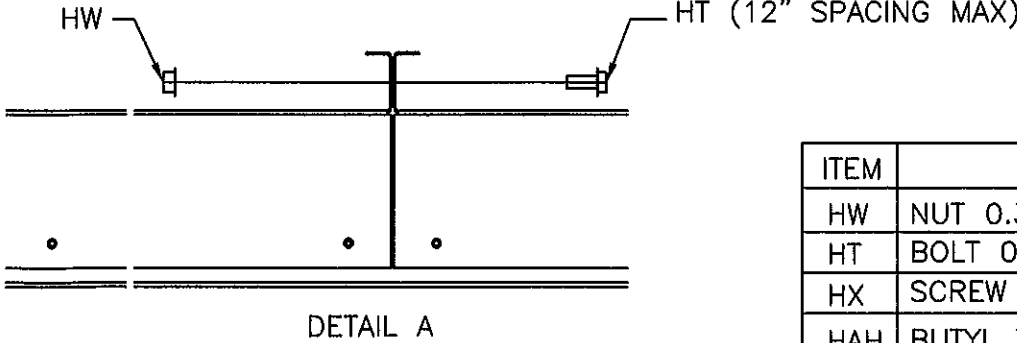
Trane Custom Air Handler Unit-Class B Construction

SINGLE ROOF PANEL APPLICATION



NOTES:
KEELS ARE HIDDEN FOR CLARITY

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as complying with the Florida
Building Code
Acceptance No 11-0301.09
Expiration Date 01/10/2013
By *[Signature]*
Miami Dade Product Control



ITEM	DESCRIPTION
HW	NUT 0.313-18
HT	BOLT 0.313-18X 0.75"
HX	SCREW 10-24X 0.56"
HAH	BUTYL TAPE (0.125"x 0.75"x 4")

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
[Signature]
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: PERIMETER TRIM & ROOF SKIN ASSY
SALES OFFICE:

JOB NUMBER:
PROPOSAL #:
DWG #: S6538-0027-018
UNIT TAG:
REVISION: 1 8/29/11

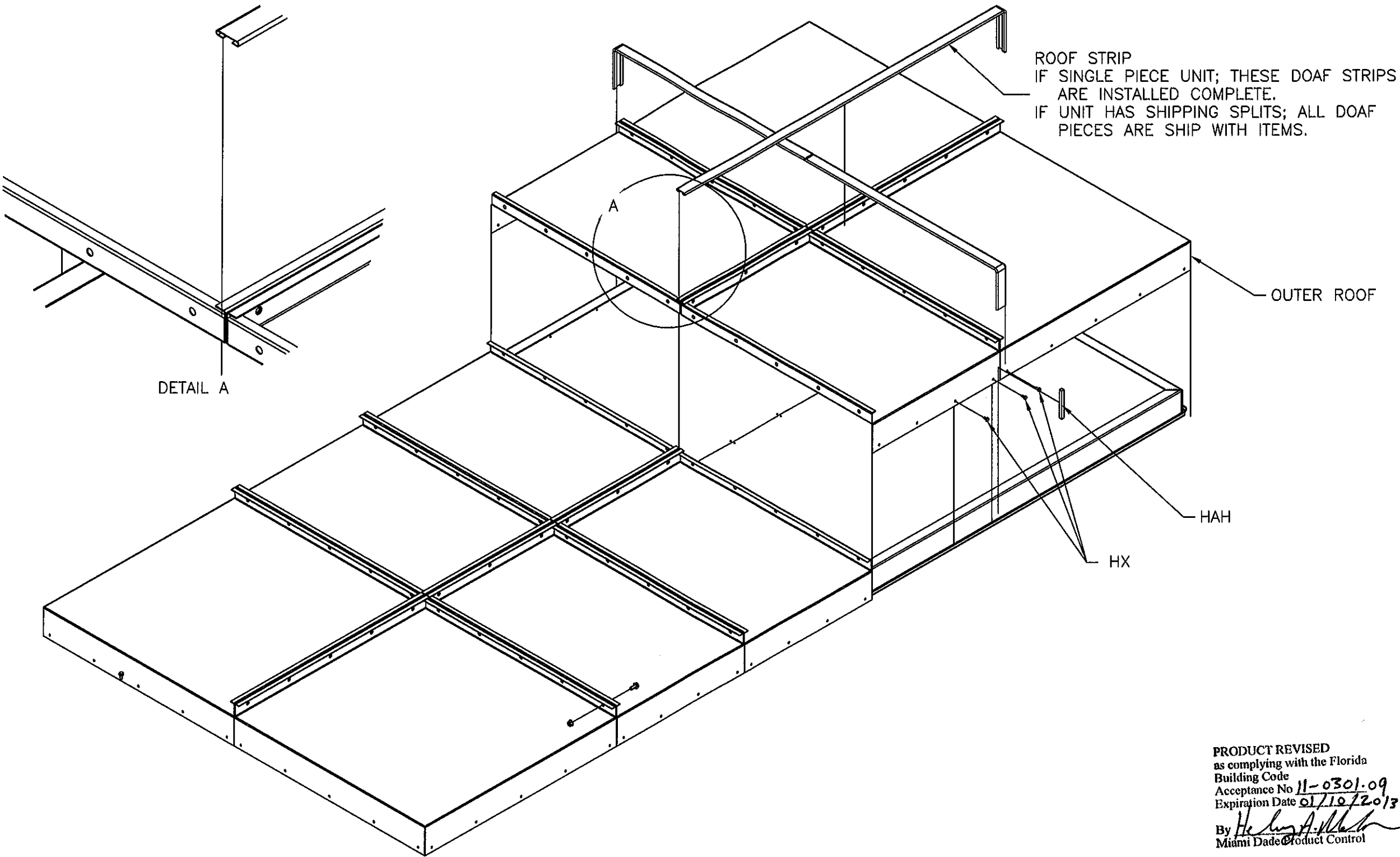


TRANE

U.S. Inc


Trane Custom Air Handler Unit-Class B Construction

MULTI ROOF PANEL ASSEMBLY

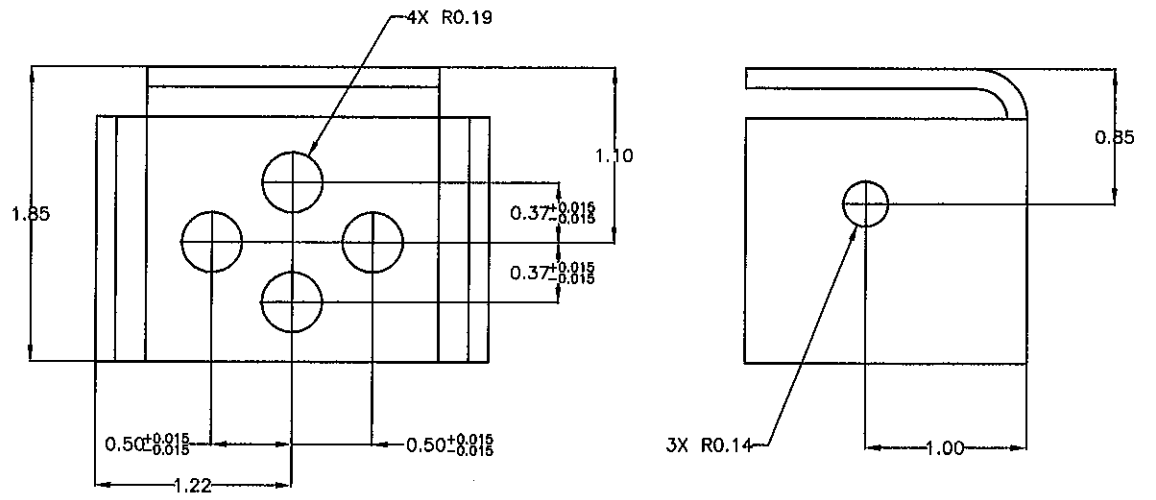
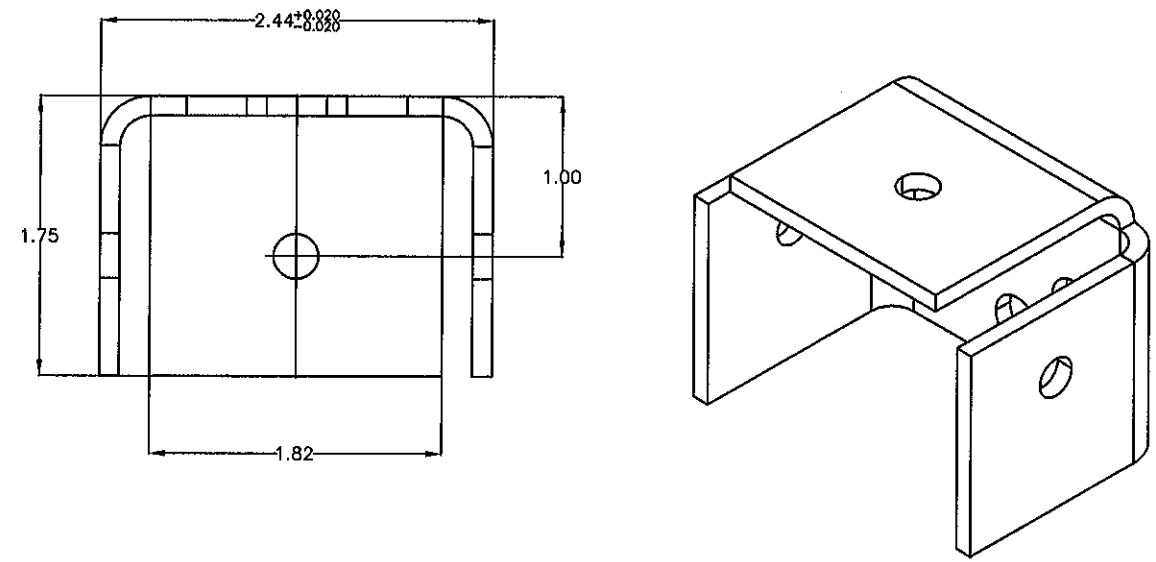


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Acceptance No 11-0301.09
Expiration Date 01/10/2013
By *Heather A. Walker*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (CD# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>Scott Wolters</i> AUG 29 2011	PROJECT: HURRICANETEST DESCRIPTION: OUTDOORROOFINSTL;KEELS&PANELS SALES OFFICE:	JOB NUMBER: PROPOSAL#: DWG #: S653B-0027-019 UNIT TAG: REVISION: 1 8/29/11	 TRANE U.S.Inc Trane Custom Air Handler Unit-Class B Construction
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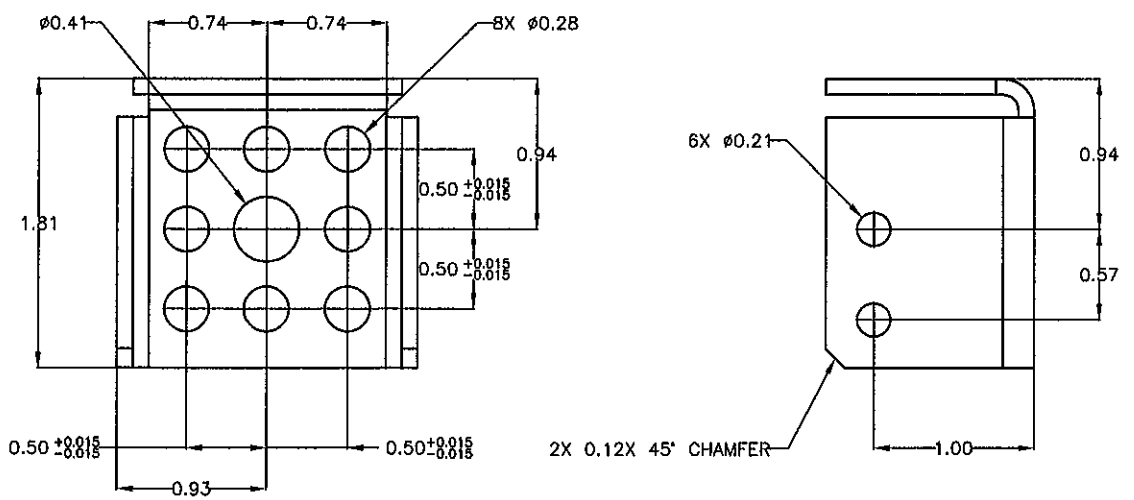
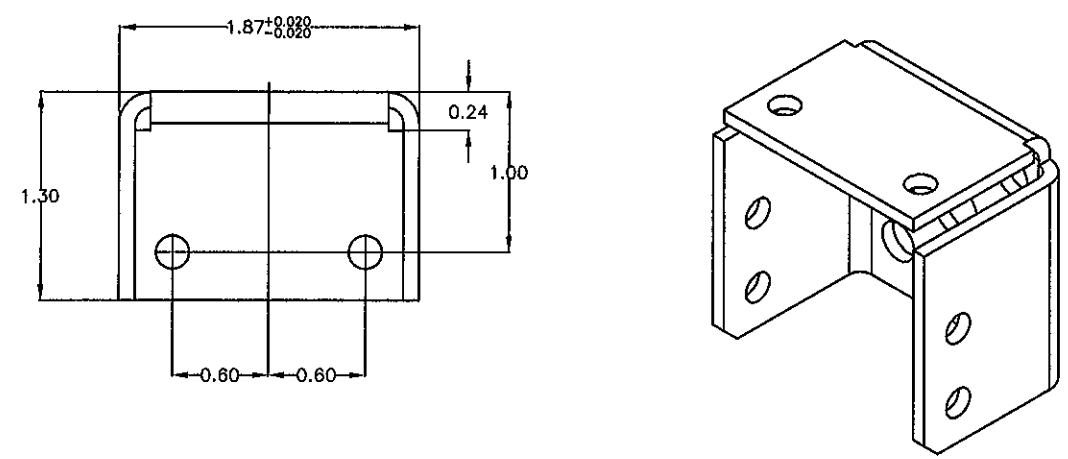
NESTED "U" CHANNEL BRACKET



MATERIAL: 12 GA (0.098 MIN) STEEL

NOTES:
1.ALL INSIDE BEND RAD=0.098
2.LEG LENGTH TO BE MEASURED AT POINT OF TANGENCY

CORNER CHANNEL BRACKET




MATERIAL: 12 GA (0.098 MIN) STEEL

NOTES:
1.ALL INSIDE BEND RAD=0.098
2.LEG LENGTH TO BE MEASURED AT POINT OF TANGENCY

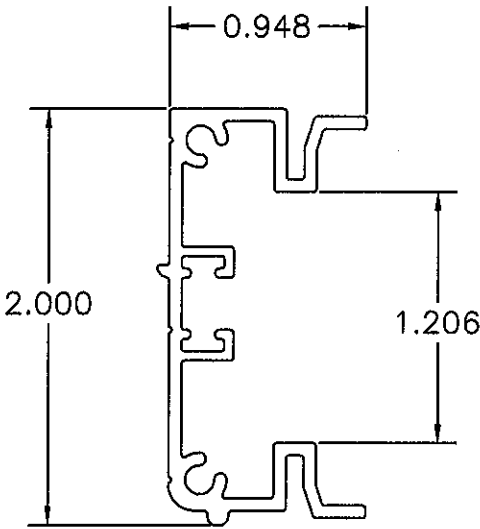
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *Healy A. Healy*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS FL PER 62354 WOLTERS ENGINEERING (CDA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>Scott Wolters</i> AUG 29 2011	PROJECT: HURRICANETEST DESCRIPTION: CHANNELBRACKETS SALES OFFICE:	JOB NUMBER: PROPOSAL #: DWG #: S6538-0027-020 UNIT TAG: UNITTAG REVISION: 1 8/29/11	 TRANE U.S.Inc Trane Custom Air Handler Unit-Class B Construction
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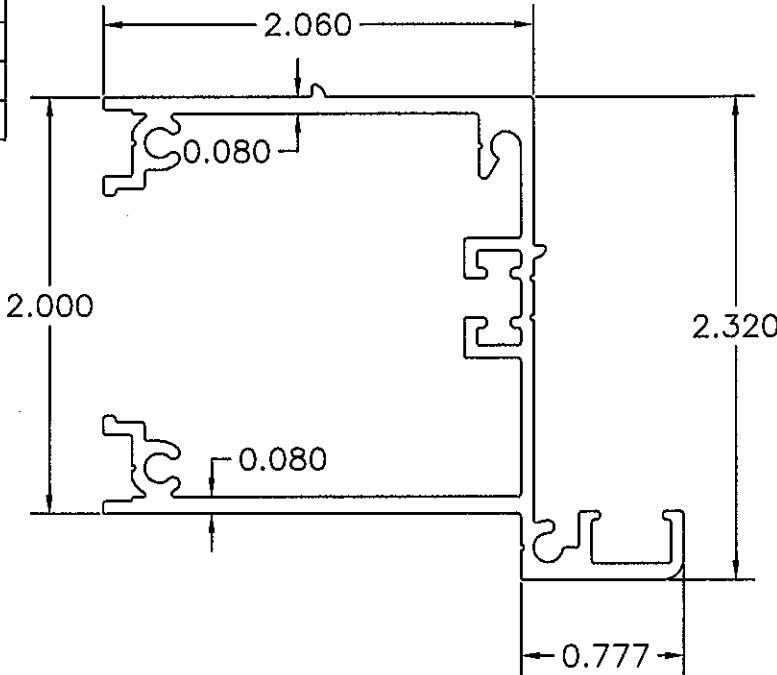
DOOR PANEL FRAME

DIE NO.	10127
WEIGHT/FT	0.451
PERIMETER	12.754
CIRCLE	2" TO 3"



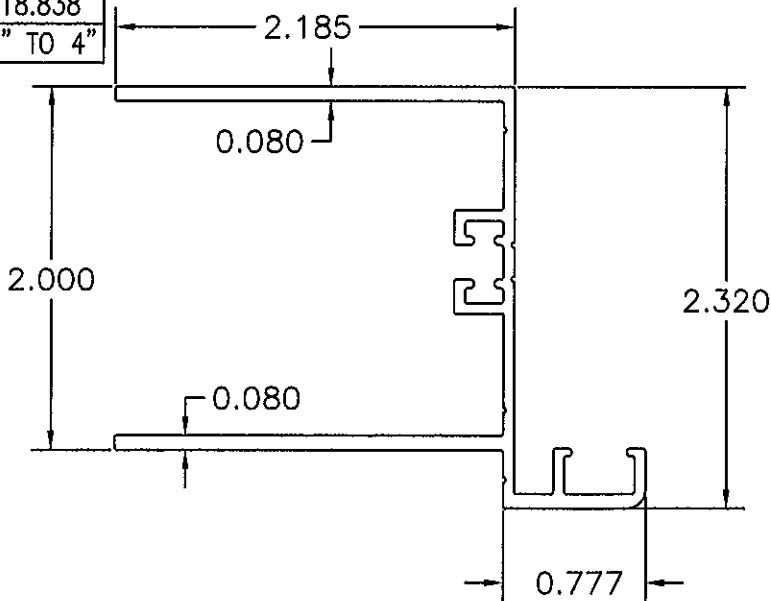
TPA2NTB INTERMEDIATE HEADER
& JAMB MTG. FRAME

DIE NO.	
WEIGHT/FT	0.910
PERIMETER	22.088
CIRCLE	3" TO 4"



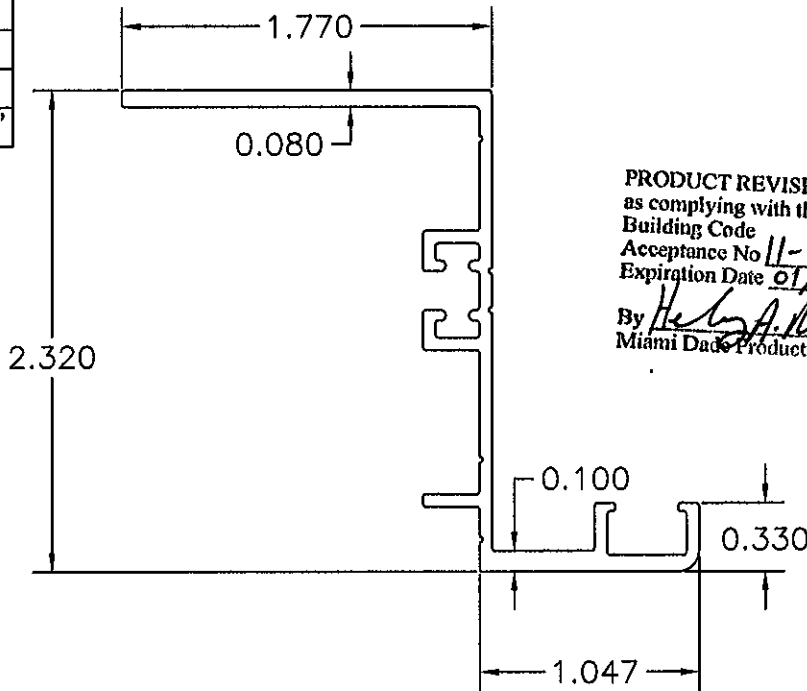
TPA2NTB HEADER MTG. FRAME

DIE NO.	
WEIGHT/FT	0.748
PERIMETER	18.838
CIRCLE	3" TO 4"



TPA2NTB SILL MOUNTING FRAME

DIE NO.	
WEIGHT/FT	0.561
PERIMETER	14.481
CIRCLE	3" TO 4"



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Expiration Date 01/10/2013
By *[Signature]*
Miami Dade Product Control

MATERIAL: 6063-T5 ALUMINUM STEEL

TOLERANCES UNLESS OTHERWISE SPECIFIED			
.000 TO .125	±.007	1.001 TO 2.000	±.0175
.126 TO .500	±.010	2.001 TO 3.000	±.020
.501 TO 1.000	±.015	3.001 TO 4.000	±.025

NOTES:
1.UNLESS OTHERWISE NOTED, ALL EDGES BROKE 0.015R.
2.MATERIAL THICKNESS IS .060" UNLESS OTHERWISE NOTED.

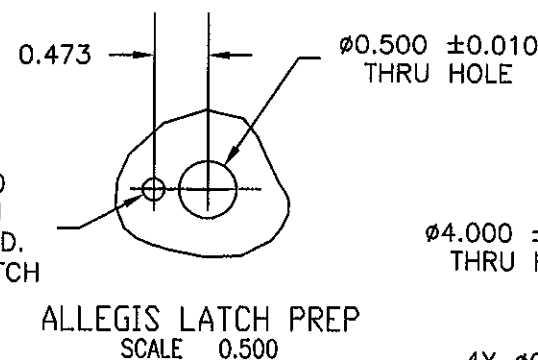
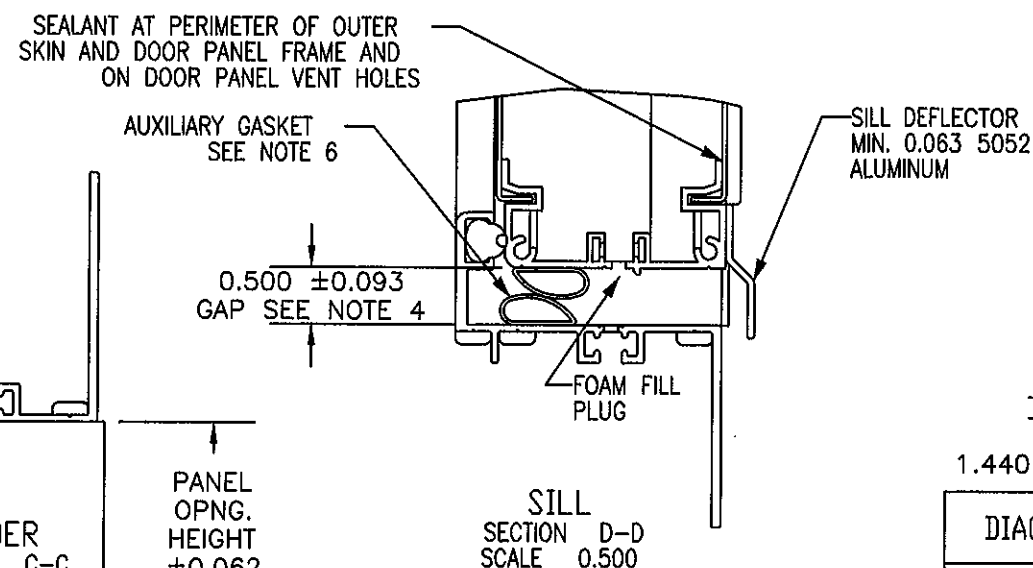
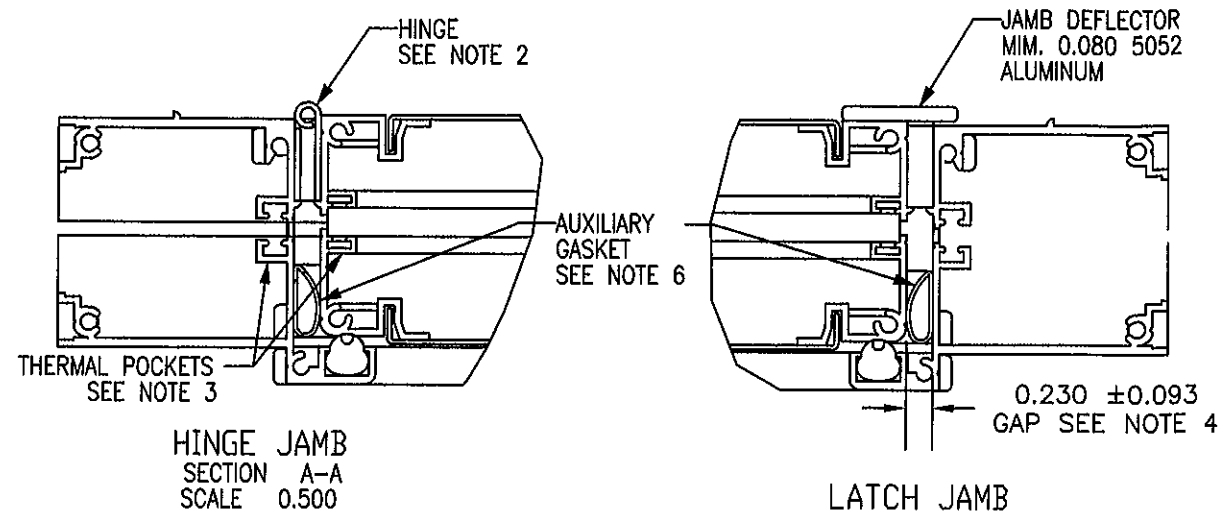
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: DOOREXTRUSIONS
SALES OFFICE:

JOB NUMBER:
PROPOSAL#:
DWG #: S6538-0027-021
UNIT TAG:
REVISION: 1 8/29/11

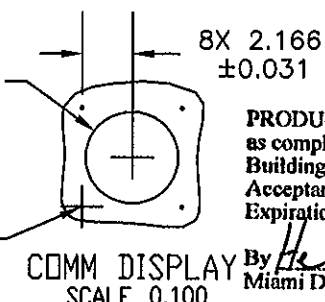




"DFH"	"DFW"		
	13"-21"	22"-27"	28"-42"
36"-54"	±0.218	±0.188	±0.156
55"-112"	±0.218	±0.218	±0.188

Ø4.000 ±0.062
THRU HOLE

4X Ø0.125
±0.016
EXTERIOR
SKIN ONLY



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0301.06
Expiration Date 01/10/2013

By *Heather A. M...*
Miami Dade Product Control

"DFW" DOOR FRAME WIDTH
±0.062 (FREE OPENING
+ 5.554) SEE NOTE 5

PANEL OPNG. ±0.062
(FREE OPNG. + 1.434)

DOOR SKINS
AS SPECIFIED

FRAMEWORK
6063-T5
ALUMINUM

VIEWPORT
GLASS & SIZE
AS SPECIFIED

"IDH"
INTERMEDIATE
DOOR HEIGHT
64.094 ±0.093
MIN. OR
(FREE OPENING
+ 4.094)
SEE NOTE 5

OPTIONAL COMM DISPLAY
HOLES SEE DETAIL BELOW

36" ±0.125
ON "DFH"
>69.915

8.000

48" ±1"

0.885

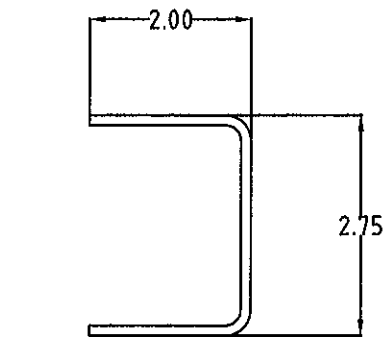
5.750
TYP

Ø0.281

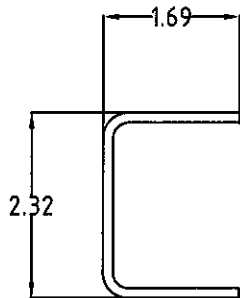
Ø4.000 THRU HOLE
REQ'D. WHEN SPECIFIED

- NOTES:
- SEE EXCEL TABLE FOR LATCH PREP LOCATION AND QUANTITY.
 - EDGES OF HINGE LEAFS TO BE BOTTOMED OUT ON EXTRUSION NUBS TO ENSURE PROPER GASKET COMPRESSION.
 - THERMAL BREAK MODEL SHOWN IN ABOVE VIEWS, NON THERMAL MODEL LESS POUR & DEBRIDGE AND THERMAL POCKET ON MOUNTING FRAME JAMBS AND DOOR PANEL FRAME.
 - UNINSTALLED DOOR ASSY. CAN RACK OUT OF SQUARE DURING SHIPPING AND HANDLING. CORNER AT HINGE AND SILL MUST BE SQUARED TO 90° PRIOR TO MEASURING SQUARENESS AND DOOR TO FRAME GAP.
 - DOOR FRAME WIDTH AND HEIGHT TOLERANCES APPLY WHEN MEASURING AT THE CORNERS. MEASUREMENTS ALONG THE CENTERS OF WIDTH AND HEIGHT CAN EXCEED THE ± TOLERANCES DUE TO A STRAIGHTNESS DEVIATION OF 0.012 PER FOOT OF FRAME.
- AUXILIARY GASKET ON MODELS TP&2TP&3TP&4TP&5TP&6TP&7TP&8TP&9TP&10TP&11TP&12TP&13TP&14TP&15TP&16TP&17TP&18TP&19TP&20TP&21TP&22TP&23TP&24TP&25TP&26TP&27TP&28TP&29TP&30TP&31TP&32TP&33TP&34TP&35TP&36TP&37TP&38TP&39TP&40TP&41TP&42TP&43TP&44TP&45TP&46TP&47TP&48TP&49TP&50TP&51TP&52TP&53TP&54TP&55TP&56TP&57TP&58TP&59TP&60TP&61TP&62TP&63TP&64TP&65TP&66TP&67TP&68TP&69TP&70TP&71TP&72TP&73TP&74TP&75TP&76TP&77TP&78TP&79TP&80TP&81TP&82TP&83TP&84TP&85TP&86TP&87TP&88TP&89TP&90TP&91TP&92TP&93TP&94TP&95TP&96TP&97TP&98TP&99TP&100TP&101TP&102TP&103TP&104TP&105TP&106TP&107TP&108TP&109TP&110TP&111TP&112TP&113TP&114TP&115TP&116TP&117TP&118TP&119TP&120TP&121TP&122TP&123TP&124TP&125TP&126TP&127TP&128TP&129TP&130TP&131TP&132TP&133TP&134TP&135TP&136TP&137TP&138TP&139TP&140TP&141TP&142TP&143TP&144TP&145TP&146TP&147TP&148TP&149TP&150TP&151TP&152TP&153TP&154TP&155TP&156TP&157TP&158TP&159TP&160TP&161TP&162TP&163TP&164TP&165TP&166TP&167TP&168TP&169TP&170TP&171TP&172TP&173TP&174TP&175TP&176TP&177TP&178TP&179TP&180TP&181TP&182TP&183TP&184TP&185TP&186TP&187TP&188TP&189TP&190TP&191TP&192TP&193TP&194TP&195TP&196TP&197TP&198TP&199TP&200TP&201TP&202TP&203TP&204TP&205TP&206TP&207TP&208TP&209TP&210TP&211TP&212TP&213TP&214TP&215TP&216TP&217TP&218TP&219TP&220TP&221TP&222TP&223TP&224TP&225TP&226TP&227TP&228TP&229TP&230TP&231TP&232TP&233TP&234TP&235TP&236TP&237TP&238TP&239TP&240TP&241TP&242TP&243TP&244TP&245TP&246TP&247TP&248TP&249TP&250TP&251TP&252TP&253TP&254TP&255TP&256TP&257TP&258TP&259TP&260TP&261TP&262TP&263TP&264TP&265TP&266TP&267TP&268TP&269TP&270TP&271TP&272TP&273TP&274TP&275TP&276TP&277TP&278TP&279TP&280TP&281TP&282TP&283TP&284TP&285TP&286TP&287TP&288TP&289TP&290TP&291TP&292TP&293TP&294TP&295TP&296TP&297TP&298TP&299TP&300TP&301TP&302TP&303TP&304TP&305TP&306TP&307TP&308TP&309TP&310TP&311TP&312TP&313TP&314TP&315TP&316TP&317TP&318TP&319TP&320TP&321TP&322TP&323TP&324TP&325TP&326TP&327TP&328TP&329TP&330TP&331TP&332TP&333TP&334TP&335TP&336TP&337TP&338TP&339TP&340TP&341TP&342TP&343TP&344TP&345TP&346TP&347TP&348TP&349TP&350TP&351TP&352TP&353TP&354TP&355TP&356TP&357TP&358TP&359TP&360TP&361TP&362TP&363TP&364TP&365TP&366TP&367TP&368TP&369TP&370TP&371TP&372TP&373TP&374TP&375TP&376TP&377TP&378TP&379TP&380TP&381TP&382TP&383TP&384TP&385TP&386TP&387TP&388TP&389TP&390TP&391TP&392TP&393TP&394TP&395TP&396TP&397TP&398TP&399TP&400TP&401TP&402TP&403TP&404TP&405TP&406TP&407TP&408TP&409TP&410TP&411TP&412TP&413TP&414TP&415TP&416TP&417TP&418TP&419TP&420TP&421TP&422TP&423TP&424TP&425TP&426TP&427TP&428TP&429TP&430TP&431TP&432TP&433TP&434TP&435TP&436TP&437TP&438TP&439TP&440TP&441TP&442TP&443TP&444TP&445TP&446TP&447TP&448TP&449TP&450TP&451TP&452TP&453TP&454TP&455TP&456TP&457TP&458TP&459TP&460TP&461TP&462TP&463TP&464TP&465TP&466TP&467TP&468TP&469TP&470TP&471TP&472TP&473TP&474TP&475TP&476TP&477TP&478TP&479TP&480TP&481TP&482TP&483TP&484TP&485TP&486TP&487TP&488TP&489TP&490TP&491TP&492TP&493TP&494TP&495TP&496TP&497TP&498TP&499TP&500TP&501TP&502TP&503TP&504TP&505TP&506TP&507TP&508TP&509TP&510TP&511TP&512TP&513TP&514TP&515TP&516TP&517TP&518TP&519TP&520TP&521TP&522TP&523TP&524TP&525TP&526TP&527TP&528TP&529TP&530TP&531TP&532TP&533TP&534TP&535TP&536TP&537TP&538TP&539TP&540TP&541TP&542TP&543TP&544TP&545TP&546TP&547TP&548TP&549TP&550TP&551TP&552TP&553TP&554TP&555TP&556TP&557TP&558TP&559TP&560TP&561TP&562TP&563TP&564TP&565TP&566TP&567TP&568TP&569TP&570TP&571TP&572TP&573TP&574TP&575TP&576TP&577TP&578TP&579TP&580TP&581TP&582TP&583TP&584TP&585TP&586TP&587TP&588TP&589TP&590TP&591TP&592TP&593TP&594TP&595TP&596TP&597TP&598TP&599TP&600TP&601TP&602TP&603TP&604TP&605TP&606TP&607TP&608TP&609TP&610TP&611TP&612TP&613TP&614TP&615TP&616TP&617TP&618TP&619TP&620TP&621TP&622TP&623TP&624TP&625TP&626TP&627TP&628TP&629TP&630TP&631TP&632TP&633TP&634TP&635TP&636TP&637TP&638TP&639TP&640TP&641TP&642TP&643TP&644TP&645TP&646TP&647TP&648TP&649TP&650TP&651TP&652TP&653TP&654TP&655TP&656TP&657TP&658TP&659TP&660TP&661TP&662TP&663TP&664TP&665TP&666TP&667TP&668TP&669TP&670TP&671TP&672TP&673TP&674TP&675TP&676TP&677TP&678TP&679TP&680TP&681TP&682TP&683TP&684TP&685TP&686TP&687TP&688TP&689TP&690TP&691TP&692TP&693TP&694TP&695TP&696TP&697TP&698TP&699TP&700TP&701TP&702TP&703TP&704TP&705TP&706TP&707TP&708TP&709TP&710TP&711TP&712TP&713TP&714TP&715TP&716TP&717TP&718TP&719TP&720TP&721TP&722TP&723TP&724TP&725TP&726TP&727TP&728TP&729TP&730TP&731TP&732TP&733TP&734TP&735TP&736TP&737TP&738TP&739TP&740TP&741TP&742TP&743TP&744TP&745TP&746TP&747TP&748TP&749TP&750TP&751TP&752TP&753TP&754TP&755TP&756TP&757TP&758TP&759TP&760TP&761TP&762TP&763TP&764TP&765TP&766TP&767TP&768TP&769TP&770TP&771TP&772TP&773TP&774TP&775TP&776TP&777TP&778TP&779TP&780TP&781TP&782TP&783TP&784TP&785TP&786TP&787TP&788TP&789TP&790TP&791TP&792TP&793TP&794TP&795TP&796TP&797TP&798TP&799TP&800TP&801TP&802TP&803TP&804TP&805TP&806TP&807TP&808TP&809TP&810TP&811TP&812TP&813TP&814TP&815TP&816TP&817TP&818TP&819TP&820TP&821TP&822TP&823TP&824TP&825TP&826TP&827TP&828TP&829TP&830TP&831TP&832TP&833TP&834TP&835TP&836TP&837TP&838TP&839TP&840TP&841TP&842TP&843TP&844TP&845TP&846TP&847TP&848TP&849TP&850TP&851TP&852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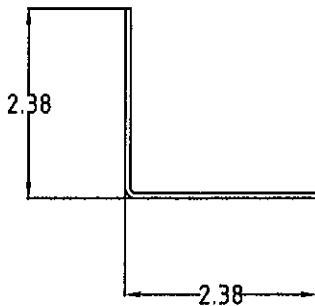
NESTED "U" CHANNEL WITH
"L" ANGLES SUBASSEMBLY



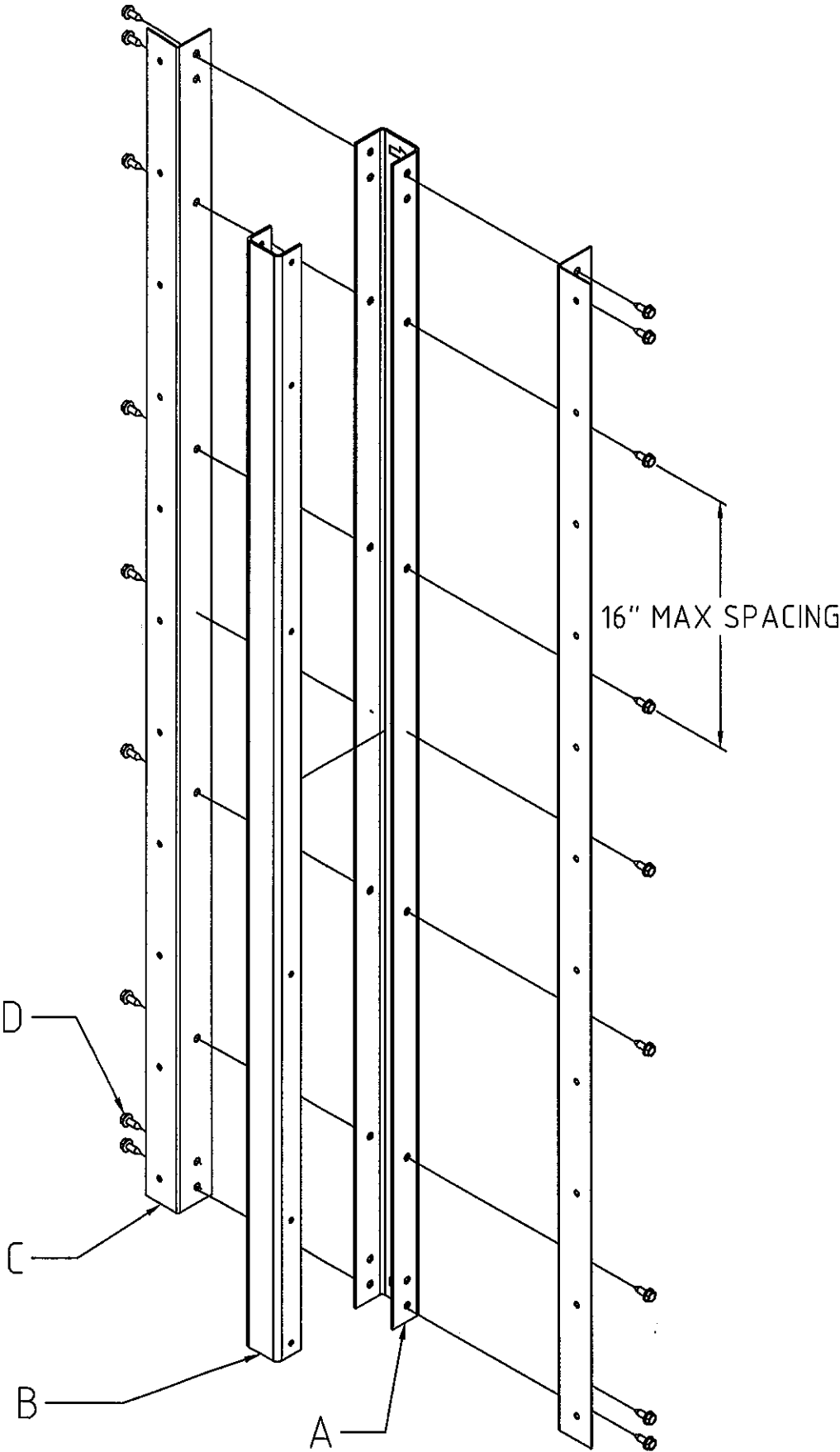
"C" CHANNEL 10 GA. (0.122" MIN) STEEL



INNER "C" CHANNEL 10 GA. (0.122" MIN) STEEL




"L" CHANNEL 14 GA. (0.067" MIN) STEEL

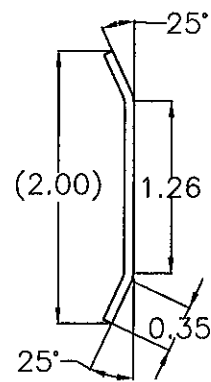


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *[Signature]*
Miami Dade Product Control

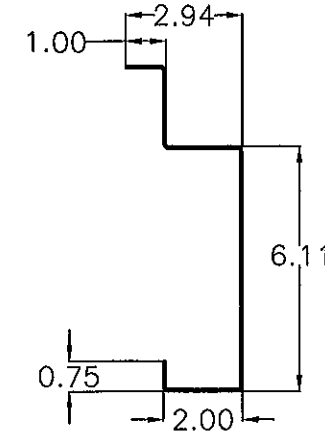
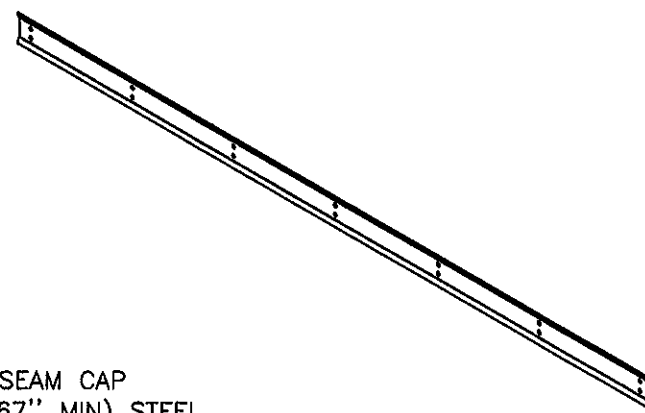
ITEM	DESCRIPTION
A	"C" CHANNEL
B	INNER "C" CHANNEL
C	"L" CHANNEL
D	5/16" - 18X 1" SCREW

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

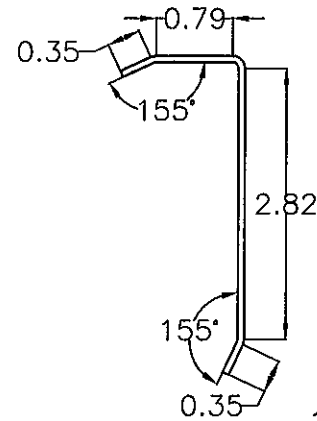
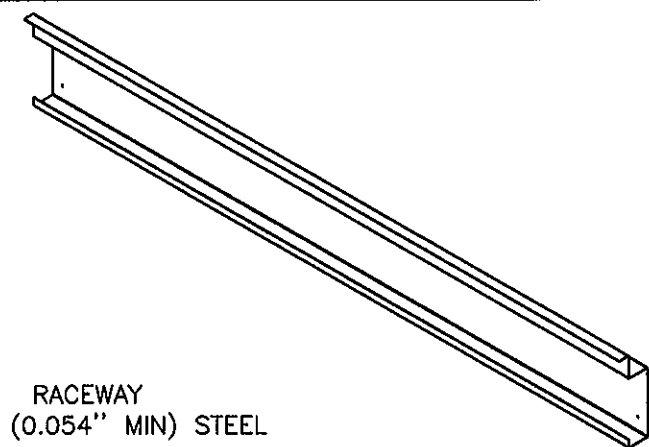
ENGINEER: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019	SEAL: <i>[Signature]</i> AUG 29 2011	PROJECT: HURRICANETEST DESCRIPTION: NESTED "U" CHANNEL SUBASSEMBLY SALES OFFICE:	JOB NUMBER: PROPOSAL #: DWG #: S6538-0027-023 UNIT TAG: REVISION: 1 8/29/11	 TRANE U.S. Inc Trane Custom Air Handler Unit-Class B Construction
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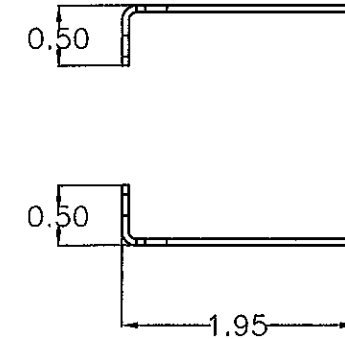
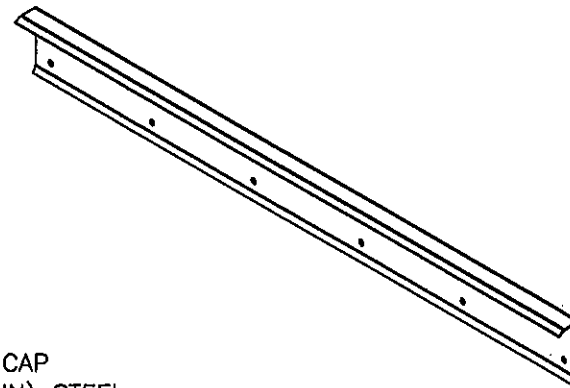
WALL SEAM CAP
14 GA. (0.067" MIN) STEEL



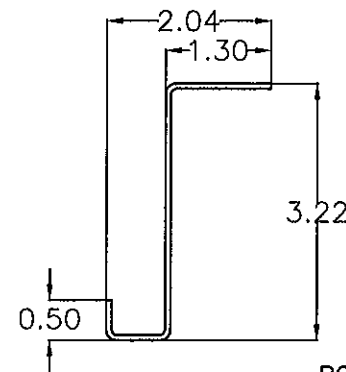
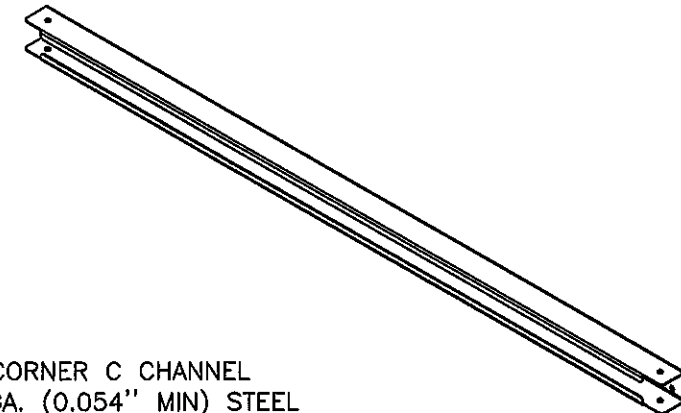
RACEWAY
16 GA. (0.054" MIN) STEEL



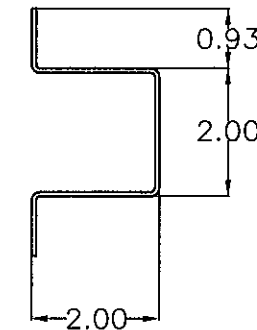
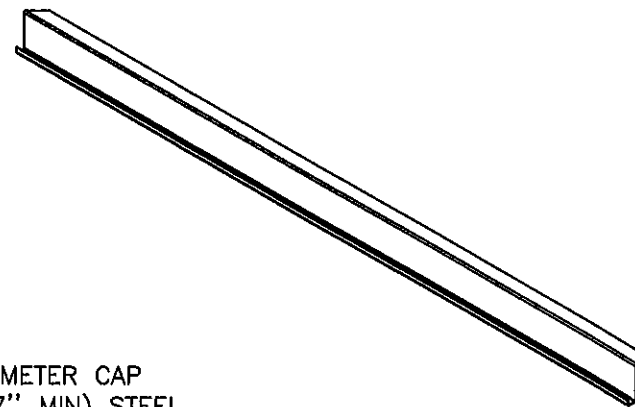
WALL SEAM CAP
14 GA. (0.067" MIN) STEEL



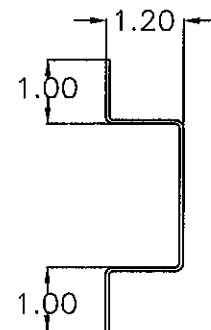
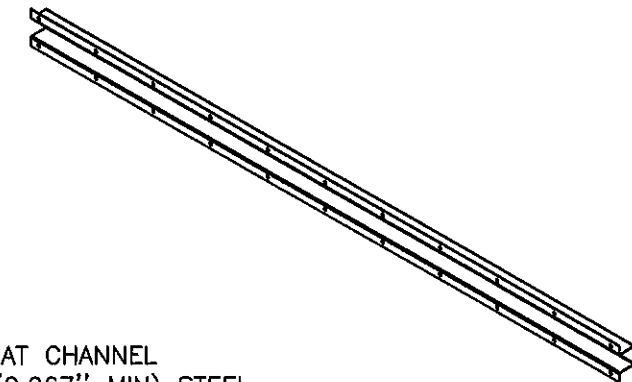
CORNER C CHANNEL
16 GA. (0.054" MIN) STEEL



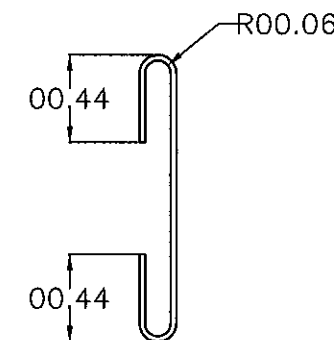
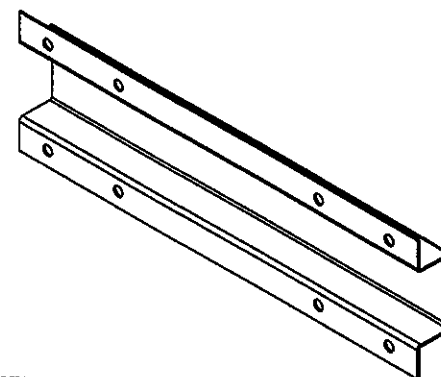
ROOF PERIMETER CAP
14 GA. (0.067" MIN) STEEL



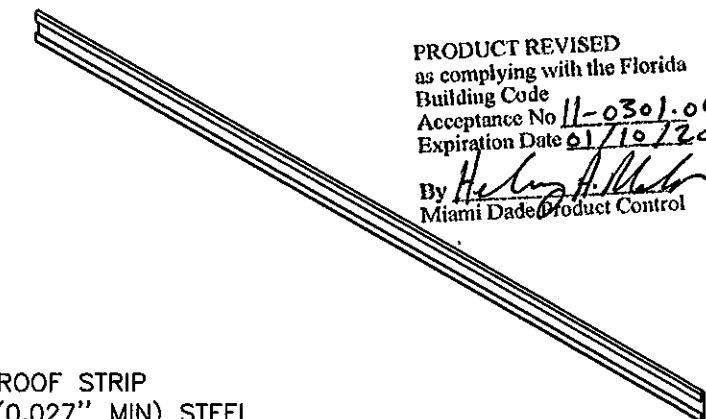
HAT CHANNEL
14 GA. (0.067" MIN) STEEL



ROOF KEEL
16 GA. (0.055" MIN) STEEL



ROOF STRIP
22 GA. (0.027" MIN) STEEL



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *Heather H. Hester*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: PARTPROFILES
SALES OFFICE:

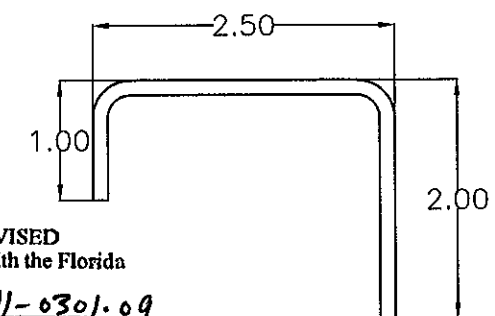
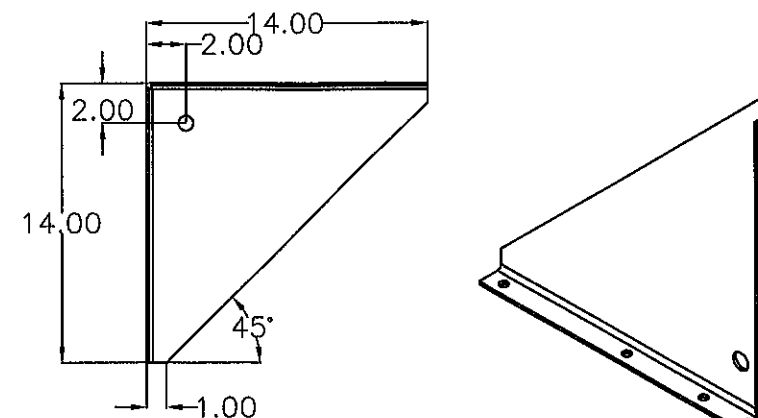
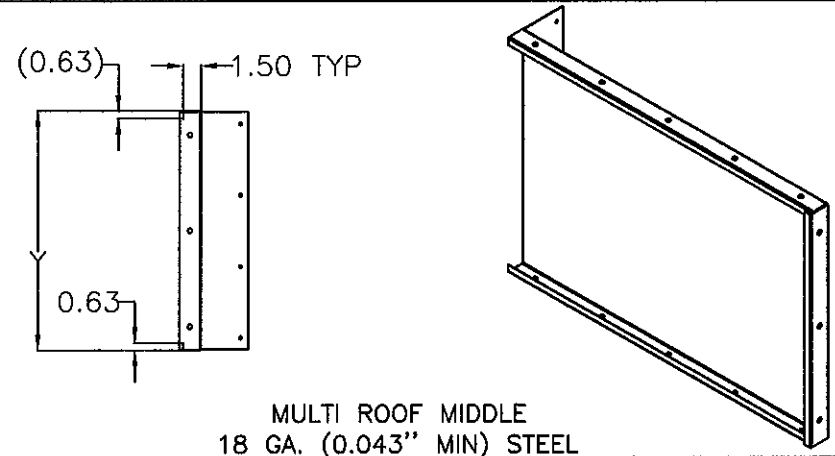
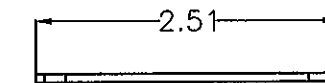
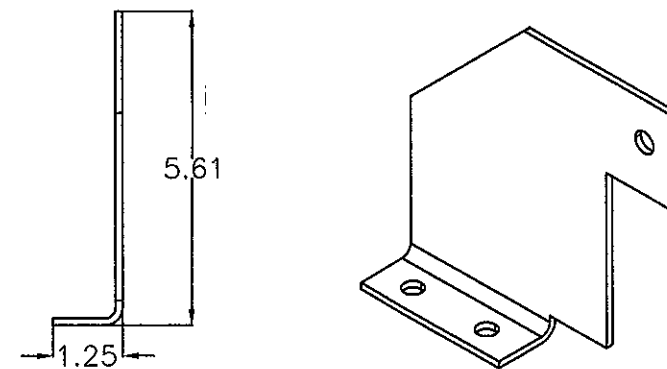
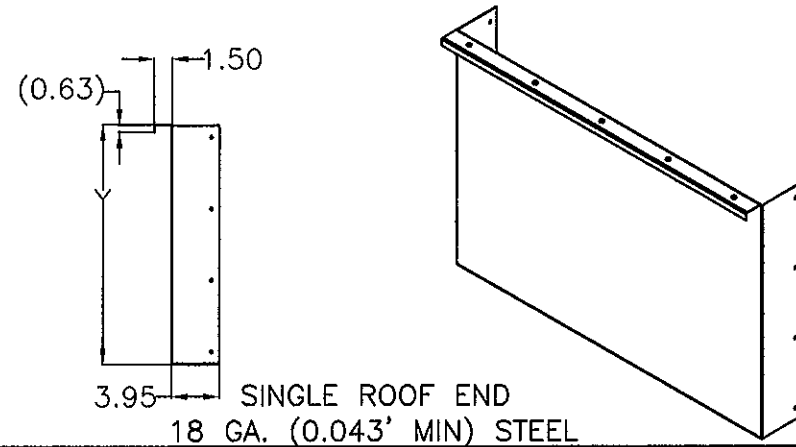
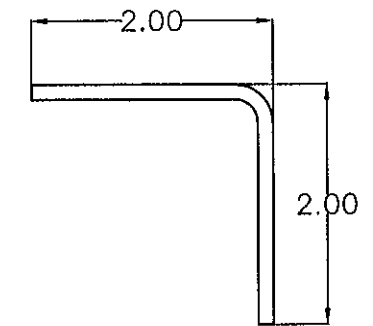
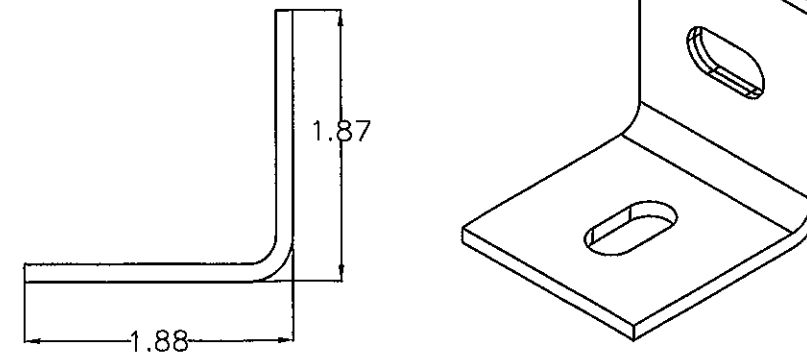
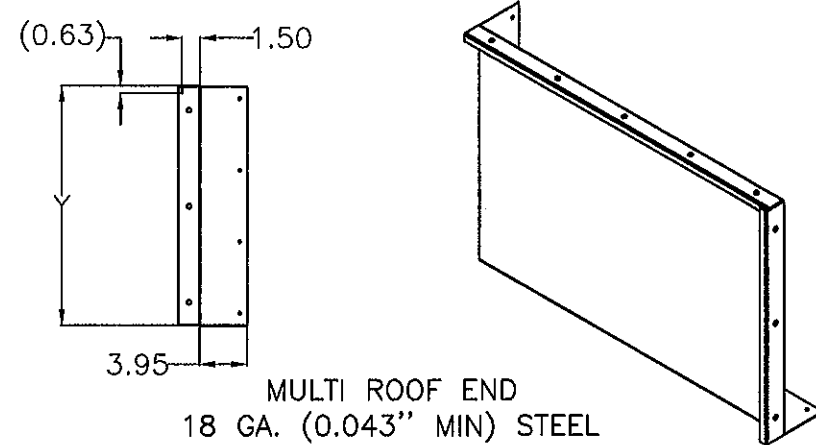
JOB NUMBER:
PROPOSAL#:
DWG #: S6538-0027-024
UNIT TAG:
REVISION: 1 8/29/11



TRANE

U.S.Inc

Trane Custom Air Handler Unit-Class B Construction



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0301-09
Expiration Date 01/10/2013
By *Heather A. Nelson*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER:
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CDA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
AUG 29 2011

PROJECT: HURRICANETEST
DESCRIPTION: PARTPROFILES
SALES OFFICE:

JOB NUMBER:
PROPOSAL#:
DWG #: S6538-0027-025
UNIT TAG:
REVISION: 1 8/29/11

 **TRANE** U.S.Inc
Trane Custom Air Handler Unit-Class B Construction